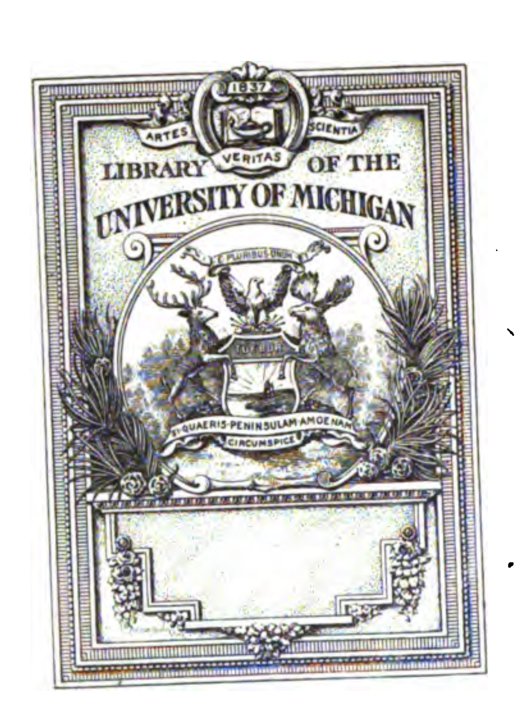
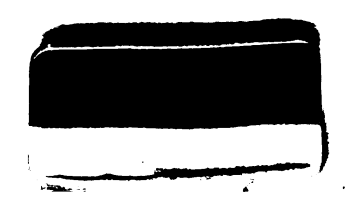
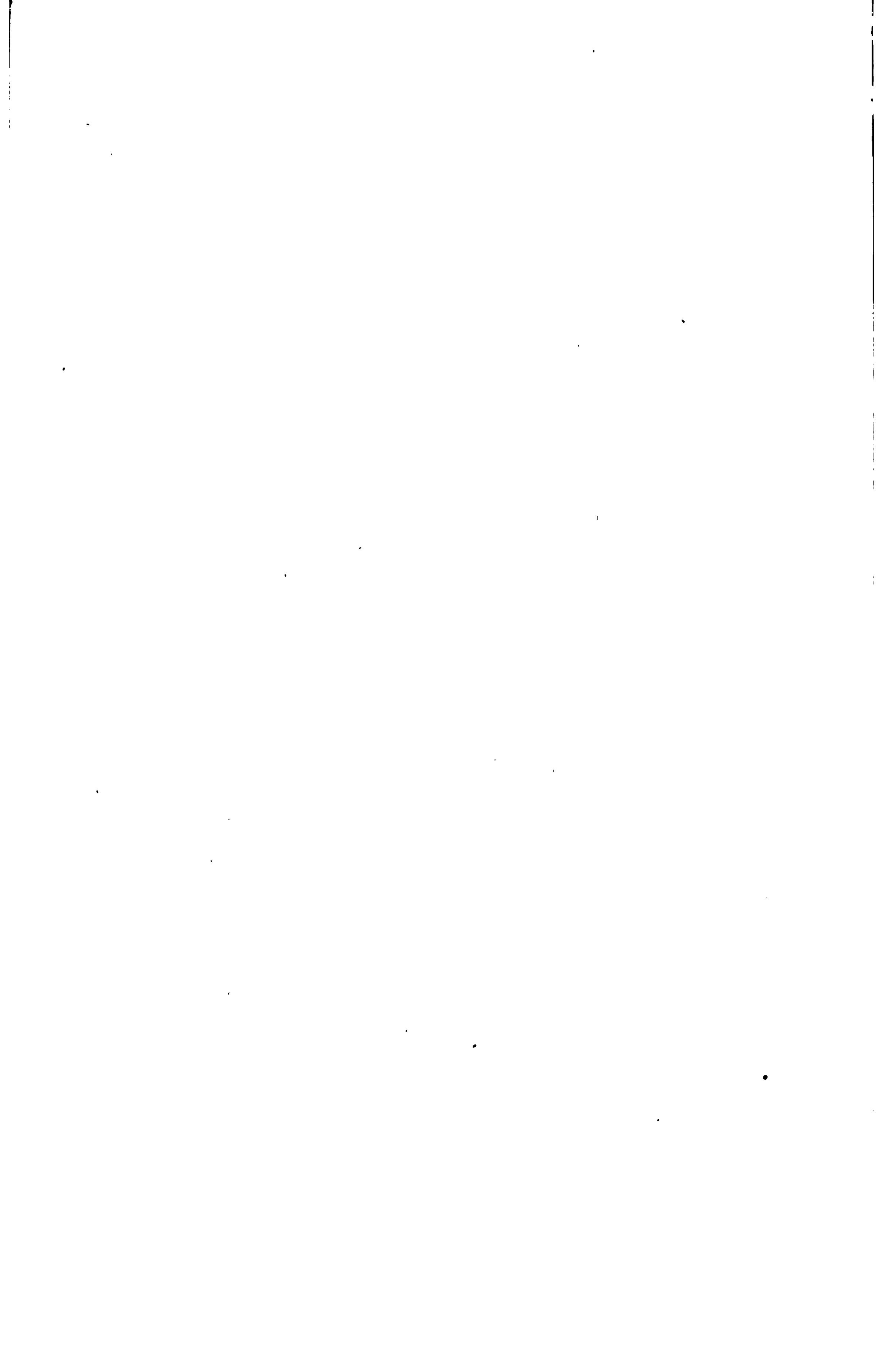



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ANNALEN



der

k. k. Sternwarte in Wien.

Nach dem Befehle

Seiner k. und k. apost. Majestät

auf öffentliche Kosten

herausgegeben

von

CARL von LITTROW,

k. k. Regierungsrath, Director der Sternwarte, o. ö. Professor der Astronomie an der Wiener Universität, Ritter des k. russ. St. Annen-Ordens zweiter Classe, des Dannebrog- und des k. osman. Medschidije-Ordens dritter Classe; Doctor der Philosophie; wirkliches Mitglied der k. Akademie der Wissenschaften zu Wien; Associate der R. Astron. Society zu London; d. Z. Präsident der österr. Gesellschaft für Meteorologie und Mitglied des Vorstandes der astronomischen Gesellschaft zu Leipzig; Mitglied der Association scientifique de France, der kais. Leopoldinisch-Carolinischen Akademie der Naturforscher, sowie gelehrter Gesellschaften zu Sächsisch-Altenburg, Breslau, Castelfranco, Cherbourg, Emden, Erfurt, Frankfurt a. M., Görlitz, Heidelberg, Jassy, Mainz, Padua, Rom, Rovereto, Rovigo, Ulm, Upsala, Washington, Wien etc.

Dritter Folge

Siebzehnter Band.

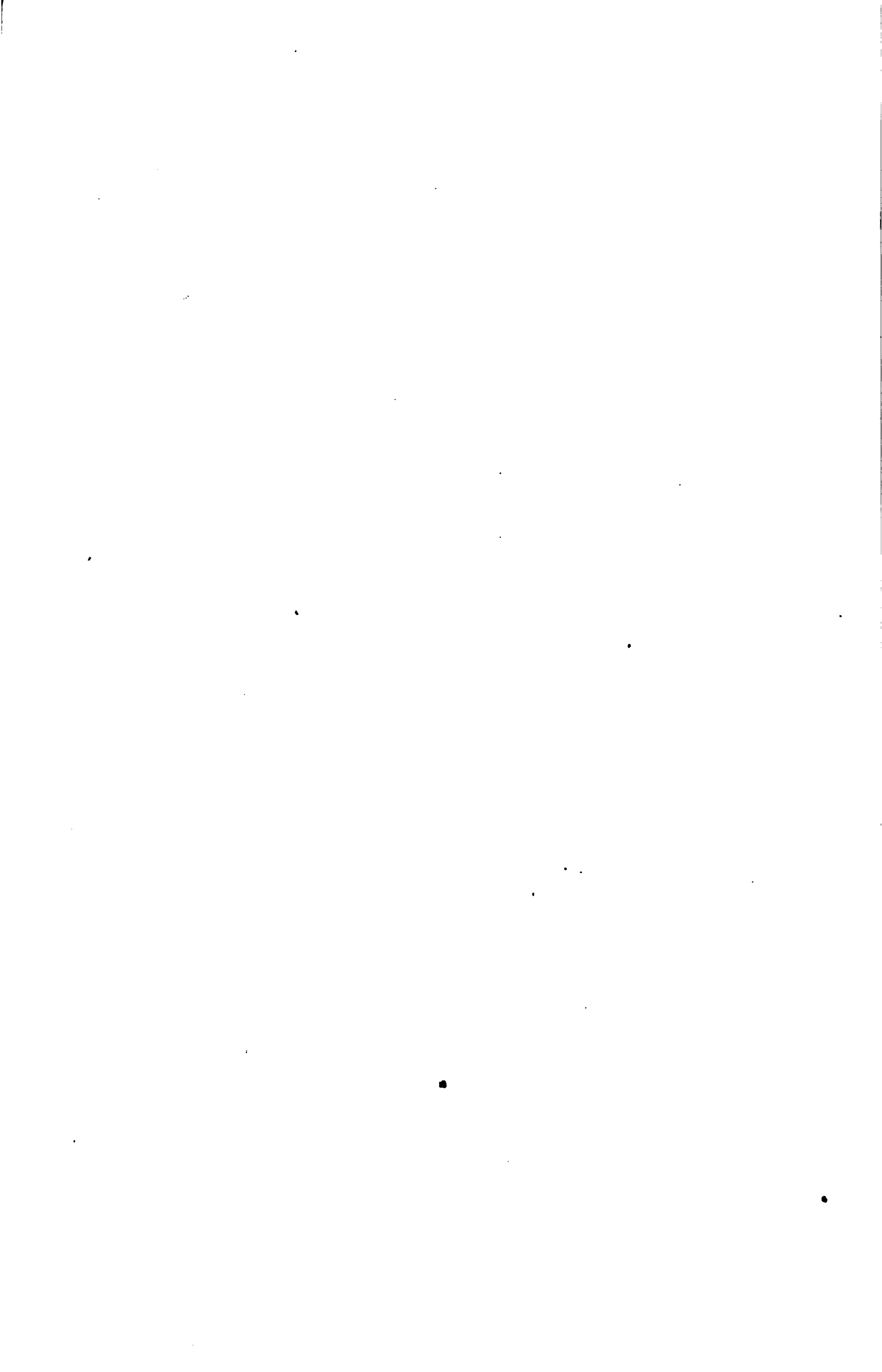
Jahrgang 1867.



WIEN, 1871.

Gedruckt bei Leopold Sommer & Comp.

In Commission der Wallishausser'schen Buchhandlung (Jos. Klemm).



Einleitung.

Die im vorliegenden Bande der Annalen abgedruckten Meridiankreisbeobachtungen umfassen jene Periode, in welcher die Sorge für dieses Instrument Herrn Dr. Otto Stolz oblag, und reichen von der Mitte des Jahres 1867 bis zum September des Jahres 1869.

Für den Collimationsfehler ist bis zum 29. September 1867, an welchem Tage der Ocularapparat einer Reinigung unterzogen wurde, der Werth:

$c = -0^s\!.206$ für K. O.
$c = +0.178$ „ K. W.

angenommen, der aus einer Kreisumkehrung am 22. Juli gefolgt war. Die nächsten Kreisumkehrungen ergaben, ohne Rücksicht auf tägliche Aberration:

1867 Nov. 20. $c = -0^s\!.026$ für Kr. Ost.
1868 Febr. 7. -0.243 „ „ „

Im Mittel $c = -0.135$

sonach mit Einrechnung der täglichen Aberration:

$c = -0^s\!.148$ für K. O.
$c = +0.121$ „ K. W.

Diese Werthe wurden vom 30. September 1867 bis Ende Juni 1868 den Reductionen zu Grunde gelegt. Die folgenden Kreisumkehrungen am 3. Juli und 23. September 1868 liessen eine starke Variabilität dieser Correction erkennen; der Collimationsfehler wurde nämlich, wieder ohne tägliche Aberration, für Kreis Ost gefunden:

1868 Juli 3. $c = +0^s\!.333$
Sept. 23. $c = -0.080$

Als Grund dieser Veränderlichkeit wurde am 2. October erkannt, dass das Objectiv in seiner Fassung sich gelockert hatte. Die wenigen aus dieser Periode aufgenommenen Beobachtungen sind bis 21. Juli mit dem ersten, von da an mit dem zweiten der obigen Werthe berechnet. Auf das Resultat der Beobachtungen kann die eben erwähnte Unsicherheit der Collimation keinen Einfluss haben, da nur jene Sterne beibehalten wurden, deren Declination sehr nahe gleich der Declination der zur Vergleichung benützten Fundamentalsterne war.

Nach Reinigung des Objectives und Befestigung desselben wurde bis zum 5. März 1869 als Collimationsfehler angenommen:

$$c = + 0^s.286 \text{ K. O.}$$
$$c = - 0.321 \text{ K. W.}$$

wie diess sich ergeben hatte im Mittel der nachstehenden zwei Kreisumkehrungen:

1868 Oct. 29.	$c = + 0^s.308$	Kr. O. ohne tägliche Aberration
1869 Feb. 17.	$+ 0.299$	„ „ „ „
im Mittel	$c = + 0.303$	

Aus Versehen ist jedoch in den Annalen zwischen October 6 und 24 noch der frühere Collimationsfehler abgedruckt worden. Am 5. März 1869 wurde das Ocular zerlegt, und es scheint dabei der Werth des Collimationsfehlers wieder eine kleine Aenderung erfahren zu haben, indem er sich bei der Kreisumkehrung am 11. April 1869 zu

$$c = + 0^s.418 \text{ K. O.}$$
$$c = - 0.445 \text{ K. W.}$$

herausstellte. Diese Werthe sind bis Anfang August 1869 beibehalten; vom September an kam zufolge der Kreisumkehrung vom 27. August in Anwendung:

$$c = + 0^s.259 \text{ K. O.}$$
$$c = - 0.287 \text{ K. W.}$$

Die Hänglibelle wurde am 7. Juni 1867 abermals durch eine neue ersetzt, deren Theilstrich einen Bogenwerth von 1".41 besitzt; es ist daher

$$b \sec \varphi = 0^s.0353 \, [(W+W') - (O+O')].$$

Neigung und Azimuth endlich wurden corrigirt, so oft sie eine unbequeme Grösse erlangt hatten; dabei wurde am 2. November 1867 und 10. Mai 1868 aus Versehen die Correction in falschem Sinne ausgeführt, und es erklären sich daraus die extravaganten Werthe von n am 3. November 1867 und 13. Mai 1868.

Zu Anfang dieser Epoche bis zum Schlusse des Jahres 1867 wurde die Registrirmethode angewendet, vom Jahre 1868 an jedoch wieder auf die Aug- und Ohrmethode zurückgegangen. Beobachtungsuhr war die Pendeluhr Auch, mit Ausnahme der Periode vom 19. bis 25. Juni 1868, in welcher dieselbe gereinigt wurde, und ein nahe auf Sternzeit regulirtes Boxchronometer von Molyneux an deren Stelle trat. Uebrigens musste die Länge des Pendels der Uhr Auch mehrfach geändert werden, namentlich am 22. Jänner 1868, dann nach der Reinigung am 5. Juli 1868 und 9. März 1869, um ihren Gang und Stand in engen Grenzen zu erhalten.

Am 7. December 1868 wurde vom Sterne ξ^2 Ceti, und am 13. Juli 1869 vom Sterne W. Z. LXXXII 94 der Polpunct gewechselt, da vor der Beobachtung derselben ein bedeutender Sprung im Stande der Alhidadenlibelle eintrat, welcher möglicher Weise durch einen unbemerkten Stoss erfolgte und den Indexfehler geändert haben kann.

Die nach den Meridianbeobachtungen folgende Zusammenstellung der erlangten Fixsternpositionen bedarf keiner weiteren Erklärung. Für die Reduction der Beobachtungen am Refractor ist alles Erforderliehe auf der Rückseite des betreffenden Zwischentitels angegeben.

In der Anordnung der Zonenbeobachtungen ist gegen frühere Jahrgänge keine Aenderung eingetreten. Bei den hier abgedruckten Zonen ergaben sich folgende Differenzen für die als Fundamentalpuncte gebrauchten Sterne, wo man stets deren Position aus den ursprünglichen Quellen von der aus unseren Zonenbeobachtungen gefolgerten abgezogen zu denken hat. Die in Klammern eingeschlossenen Zahlen wurden bei der Construction der Tafeln nicht benützt.

1857 Juni 22. Zone 91.

	Stern		Diff. AR.	Diff. Decl.
Nr. 31	R.	6546	+ 0ˢ15	+ 1″0
» 103	R.	6891	— 0.14	+ 1.5
» 108	R.	6927	— 0.06	— 1.0
» 112	R.	6956	— 0.10	— 1.8
» 129	Arg. + 18° *)	3958	+ 0.14	+ 0 2

1857 Juni 24. Zone 92.

	Stern		Diff. AR.	Diff. Decl.
Nr. 1	1 Wien. Mer. Beob.		+ 0.14	0.0
» 20	2 Wien. Mer. Beob.		+ 0.22	+ 2.7
» 21	R.	6168	— 0.16	+ 5.4
» 35	Arg. + 17° *)	3432	+ 0.12	(+ 8.7)
» 54	1 Wien. Mer Beob.		— 0.46	(—10.4)
» 76	R.	6403	— 0.01	— 2 0
» 87	R.	6491	— 0.31	+ 1.5
» 108	R.	6575	+ 0.02	— 8.0
» 156	1 Wien. Mer. Beob.		+ 0.22	— 2.5
» 175	2 Wien. Mer. Beob.		+ 0.22	+ 2.6

1857. Juni 27. Zone 93.

	Stern		Diff. AR.	Diff. Decl.
Nr. 10	2 Wien. Mer. Beob.		(+ 0.78)	+ 0 2
» 11	R.	5780	+ 0.16	+ 0.4
» 12	Arg. + 17°	3220	+ 0.18	+ 3 5
» 17	R.	5773	+ 0.33	+ 3 4
» 33	1, 2 Wien. Mer. Beob.		+ 0.14	— 0.7
» 47	3 Wien. Mer. Beob.		— 0.19	— 3.1
» 67	2 Wien. Mer. Beob.		— 0.38	— 3.2
» 80	Arg. + 17°	3298	— 0.16	+ 4.4
» 85	Arg. + 17°	3302	(+ 0.65)	+ 5.6
» 87	Arg. + 17°	3305	+ 0.07	— 0.4
» 101	Arg. + 17*) 2 Beob.	3325	+ 0.19	— 1.2
» 115	Arg. + 17°	3349	— 0.57	— 0.3
» 126	2, 1 Wien. Mer. Beob.		+ 0.12	— 0.5
» 139	1 Wien. Mer. Beob.		+ 0.16	— 6.9

1857 Juni 27. Zone 94.

	Stern		Diff. AR.	Diff. Decl.
Nr. 2	1 Wien. Mer. Beob.		— 0.46	— 4.1
» 37	2 Wien. Mer. Beob.		+ 0.23	+ 3.5
» 84	1 Wien. Mer. Beob.		+ 0.20	+ 0.5
» 102	2 Wien. Mer. Beob.		+ 0.27	+ 0.8
» 130	1 Wien. Mer. Beob.		— 0.22	— 0.6

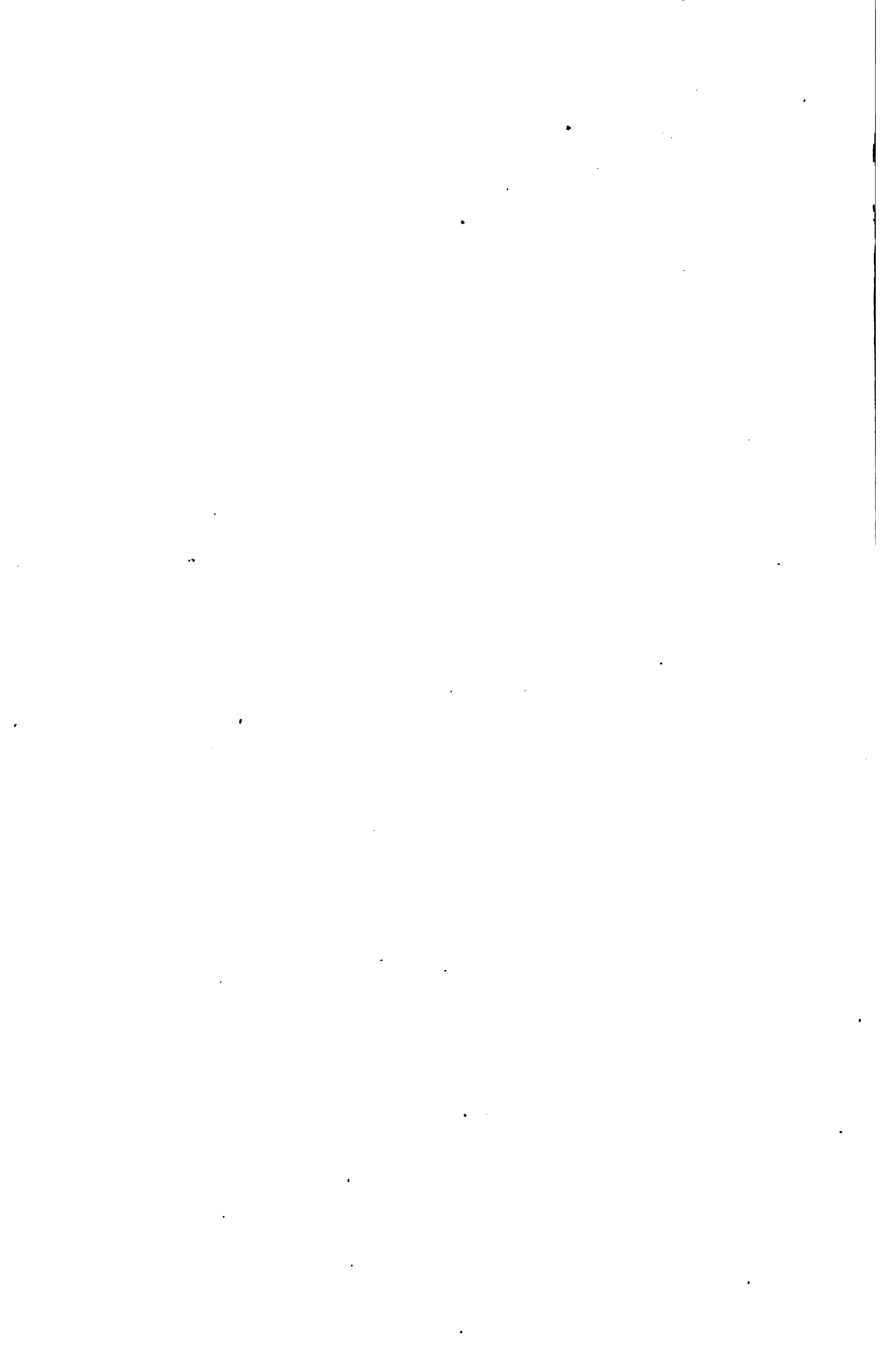
	Stern		Diff. AR.	Diff. Decl.
1857 Juni 28. Zone 95.				
Nr. 8	2 Wien. Mer. Beob.		+ 0ˢ.22	— 2″.8
» 25	1 Wien. Mer. Beob.		— 0.10	+ 1.4
» 41	2 Wien. Mer. Beob.		— 0.11	+ 1.8
» 59	1 Wien. Mer. Beob.		— 0.32	— 0.9
» 79	2 Wien Mer. Beob.		+ 0.16	+ 0.3
» 133	R.	6750	+ 0.13	(+ 9.3)
1857 Juli 14. Zone 96.				
Nr. 11	R.	6110	+ 0.31	— 0.7
» 14	R.	6126	+ 0.04	+ 0.9
» 15	Arg. + 18°	3501	+ 0.31	— 2.9
» 23	Arg. + 18°	3517	— 0.53	— 2.7
» 37	R. Anh. p. 179	73	— 0.12	+ 2.6
» 57	R.	6278	+ 0.44	— 1.3
» 59	1 Wien. Mer. Beob.		— 0.02	+ 0 9
» 72	R.	6361	— 0.17	+ 0 8
» 73	R.	6369	+ 0.28	+ 0.8
» 74	R.	6382	+ 0 09	— 2.9
» 84	R.	6438	+ 1.13	— 0.6
» 90	R	6469	— 0.34	+ 0.8
» 98	R.	6508	— 0.44	— 1.5
» 116	1 Wien. Mer. Beob		+ 0.01	(—11.2)
1857 Juli 15. Zone 97.				
Nr. 1	2 Wien. Mer. Beob.		— 0.35	— 3.5
» 16	Arg. + 16°	3329	+ 0.21	(+ 9.2)
» 20	2 Wien. Mer. Beob.		+ 0.07	— 0.7
» 26	Arg. + 16°	3344	— 0.44	0.9
» 33	2 Wien. Mer. Beob.		+ 0.36	+ 1.5
» 34	Arg. + 17°	3433	(+ 1.06)	+ 2.6
» 35	Arg. + 17°	3430	— 0.44	— 0.7
» 69	Arg. + 16° *)	3450	+ 0.38	+ 0.4
» 100	2 Wien. Mer. Beob.		+ 0.19	+ 0.7

Von den meteorologischen Beobachtungen aus dem Jahre 1866 stehen den Meteorologen Sonderabdrücke als Completirung der ganzen vom Jahre 1775 beginnenden und bis einschliesslich 1855 in fünf Bänden eigens publicirten Reihe zur Verfügung.

Wien den 25. Juli 1871.

C. v. Littrow.





BEOBACHTUNGEN

AM

MERIDIANKREISE.

1867	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Juli 22. (☾) Beob. S.							
		h m s					
α Urs. min. U. C. K. O.	.....	13 14 29.67	.. ....	5	.. ..	......	......
α Urs. min. U. C. K. W.	.....	13 14 39.83	.. ....	4	.. ..	......	......

Kr. Ost.
W 15.8 O 12.2
W′ 18.0 O′ 10.0

Kr. West
W 15.0 O 11.5
W′ 13.8 O′ 12.7

Kreis Ost $c = - 0^s.192$ — ρ

1867	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
September 23. (☾) Beob. S. Kreis W.							
		h m s	s		° ′ ″	″	″
θ Aquarii...	.....	22 9 51.14	+ 0.54	13	56 58 7.5	+ 7.0	+84.8
W. Z. XXXVIII 447	.....	26 20.50	— 0.47	10	33 21 31.8	+ 7.0	+36.3
W. Z. CCXXI 445	.....	35 29.97	· 0.72	12	27 47 56.5	+ 7.8	+29.1
W. Z. XXXVII 44.	.....	45 51.45	— 0.47	13	33 21 35.6	+ 7.7	+36.3
α Pegasi ...	.....	58 11.81	— 0.48	12	34 2 47.8	+ 7.3	+37.4
W. Z. CXXIV 427.	.... .	23 15 39.21	— 0.63	13	29 51 32.2	+ 7.1	+31.7
γ Cephei....	....	34 13.41	— 9.53	8	331 40 0.1	+ 7.2	—30.7
W. Z. CCXLII 24.	.. ..	46 37.60	— 0.69	10	28 23 52.6	+ 7.7	+29.9
ω Piscium.	.....	52 32.36	— 0.30	10	42 24 25.7	+ 7.9	+50.6

W 32.0 O 6.0
W′ 26.8 O′ 11.2

γ Cephei, ω Piscium } $n = - 2^s.400$

$c = + 0.178$

$m = + 3.819$

Uhrzeit	Bar.	Therm. R inn.	Therm. R äuss.
22h 20m	27.″679	+15.°0	+12.°8
22 51	27.682	+15.0	+12.7
23 27	27.671	+14.8	+12.7
0 3	27.672	+14.7	+12.2

	$m + x$	Polpunkt
θ Aquarii...	+ 0.s14	48° 33′ 21.″4
α Pegasi ...	0.11	21.1
ω Piscium ..	0.15	22.3
um 23h 0m	+ 0.14	48 33 21.6

Tägl. Gang: — $1^s.43$.

1867	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
September 30. (☾) Beob. S. Kreis W.							
ε Pegasi....	.....	21 37 52.15	— 0.45	12	39 16 14.5	— 2.8	+45.5
16 Pegasi ..	.....	47 14.78	— 1.54	6	23 14 31.0	— 2.1	+23.8
α Aquarii ..	.....	59 9.64	+ 0.18	13	49 29 51.3	— 2.2	+65.2
W. Z. CCXXI 46.	.....	22 7 36.36	— 1.17	10	28 8 57.1	— 2.2	+29.8

1867	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
		h m s	s		° ′ ″	″	″
W. Z. XXVII 44.	.....	22 46 1.90	— 0.83	12	33 21 41.2	— 2.3	+36.7
W. Z. CCXXIV 52	.....	59 54.26	— 1.17	8	28 9 59.6	— 2.4	+29.8
W. Z. CXIV 127	.....	23 15 49.67	— 1.06	2	29 51 44.6	— 2.6	+32.0
γ Cephei ...	.....	34 28.30	— 14.53	3	331 40 8.4	— 3 1	—31.0
W. Z. CCLII 24.	.....	46 48.37	— 1.16	10	28 23 58.8	— 2.4	+30.2
ω Piscium ..	.....	52 42.66	— 0.26	10	....	......	......
W. Z. CCXXIX 78	.....	0 6 36.06	— 1.15	3	28 31 47.4	— 2.7	+30.4
α Cassiop. . .	.....	....	....	.	352 44 43.6	— 2.0	— 7.6

W 22.0 O 18.8
W′ 28.2 O′ 12.5

γ Cephei ..
α Aquarii .. } $n = -3^s.507$

$c = +0.121$

$m = -4.585$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$21^h 26^m$	27.″618	+12.°7	+11.°1
22 54	27.621	+12.5	+10.5
0 10	27.600	+12.1	+ 9 7
0 42	27.600	+11.5	+ 9 3

	m + n	Polpunkt
ε Pegasi ...	— $9.^s61$	48° 33′ 22″.3
16 Pegasi	9.57	22.8
α Aquarii...	9.85	23.7
ω Piscium..	10.17	....
um $22^h 19^m$	— 9.80	48 33 22.9

Tägl. Gang: — 1ˢ.43.

October 12. (♄) Beob. S. Kreis W.

1867	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
β Cephei ...	.....	21 27 41.95	— 11.60	13	....	......	......
ε Pegasi ...	.....	38 13.22	— 0.59	13	39 15 46.1	+17.4	+46.9
16 Pegasi ..	.....	47 36.14	— 1.98	10	13 14 16.8	+ 4.3	+24.5
α Aquarii...	.....	59 30.30	+ 0.19	13	49 29 22.1	+15.9	+67.1
W. Z. CCXX 46.	.....	22 7 57.56	— 1.49	12	28 8 45.8	+ 1.5	+30.7
W. Z. XXVIII 447	.....	25 51.64	— 1.06	11	33 21 19.4	+ 6.3	+37.8
ζ Pegasi ...	.....	35 24.12	— 0.66	12	38 23 41.4	+ 7.3	+45.5

W 30.7 O 17.8
W′ 18.0 O′ 30.6

β Cephei
α Aquarii } $n = -4^s.352$

$c = +0.121$
$m = +4.880$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$21^h 56$	27.″493	+5.°9	+ 3. 4
22 42	27.500	+5.6	+ 3 1

1867	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

	$m + x$	Polpunkt
ε Pegasi ...	— 30.ˢ61	48° 33′ 15″.8
16 Pegasi .	30.63	15.9
α Aquarii ..	30.62	14.6
ζ Pegasi ...	30.78	16.1
um $22^h\ 0^m$	— 30.66	48 33 15.6

Tägl. Gang: — 1ˢ.74.

October 24. (♃) Beob. S. Kreis W.

1867	Grösse	Mittel der Fäden (h m s)	Corr. des Instr. (s)	Zahl d. Fäden	Mittel der Lesungen (° ′ ″)	Libelle (″)	Refr. (″)
α Aquarii...	.....	21 59 53.71	+ 0.21	12	49 29 24.5	+ 1.7	+66.0
W. Z. XXXVIII 74	.....	22 13 23.66	— 1.30	13	32 56 23.9	+ 2.0	+36.6
W. Z. XXXVIII 447	.....	27 15.05	— 1.27	12	33 21 12 0	+ 2.5	+37.2
W. Z. CCXXX 445	.....	36 24.74	— 1.81	10	27 47 43.1	+ 2.4	+29.7
W. Z. XXXVII 44	.....	46 46.12	— 1.27	12	33 21 17.8	+ 3.6	+37.2
α Pegasi ...	.....	59 6.54	— 1.20	12	34 2 31.6	+ 2.3	+38.2
γ Piscium ..	.....	23 11 13.26	— 0.11	13	45 58 18.9	+ 2.2	+58.6
κ Piscium ..	.....	21 4.02	+ 0.07	11	47 59 56.9	+ 3.4	+62.9
β Ceti	.....	....	....	..	67 13 31 8	+ 3.1	+133.6
Anonyma ...	.....	0 51 54.16	— 1.48	12	31 6 37.0	+ 2.8	+34.2
α Urs. min..	.....	1 16 2.73	+259.19	5	....	.....	.....
ν Piscium ..	.....	....	....	..	43 43 0.9	+ 2.5	+54.2
α Arietis ...	.....	....	....	..	25 42 21.5	+ 2.7	+27.3

W 11.2 O 31.4
W′ 18.8 O′ 23.8

α Urs. min. } $n = -5^s.113$
α Aquarii }

$c = +0.121$
$m = +4.888$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$22^h\ 7^m$	27″.713	+10.°4	+ 8.°7
22 55	27.722	+10.0	+ 8.2
23 24	27.731	+10.0	+ 8.0
1 4	27.730	+ 9.7	+ 8.0
1 54	27.730	+ 9.5	+ 7.7

	$m + x$	Polpunkt
α Aquarii...	— 54.ˢ23	48° 33′ 1″.2
α Pegasi ...	54.11	3.0
γ Piscium ..	54.12	4.1
κ Piscium ..	54.06	2.4
β Ceti	.....	2.4
ν Piscium ..	.....	2.3
α Arietis ..	.....	0.9
um $22^h 53^m$	— 54.13	48 33 2.3

Tägl. Gang: — 1ˢ.75.

1867	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
October 25. (♀) Beob. S. Kreis W.							
		h m s	s		° ′ ″	″	″
β Aquarii..	.....	21 25 30.92	+ 0.66	11	54 40 36.5	+ 3.1	+79.9
ε Pegasi....	.....	38 38.06	— 0.69	13	39 15 50.0	+ 2.1	+46.4
16 Pegasi...	.....	48 1.21	— 2.23	13	23 14 5.0	+ 2.8	+24.3
α Aquarii...	.....	59 5.24	+ 0.20	13	49 29 27.9	+ 2.4	+66.4
W. Z. XXVIII 74	.....	22 13 25.40	— 1.27	13	32 56 22.7	+ 2.2	+36.8
W. Z. XLII 50	.....	18 57.02	— 1.26	12	32 56 28.7	+ 2.0	+36.8
η Aquarii ..	.....	28 29.73	+ 0.19	12	49 19 41.9	+ 2.1	+66.1
W. Z. CCXXXIV 52	.....	23 0 40.38	— 1.72	12	28 9 22.2	+ 1.5	+30.4
γ Piscium ..	.....	11 15.15	+ 0.10	11	45 58 20.3	+ 1.7	+58.9
W. Z. CXXIV 127	.....	16 35.39	— 1.56	9	29 51 18.8	+ 2.6	+32.7
γ Cephei ...	.....	35 20.01	20.90	10	.. ..	......	......
δ Sculpt. ...	.....	42 55.77	+ 2.90	10	77 20 40.1	+ 2.3	+244.9
W. Z. CXXI 94	.....	52 31.90	— 1.55	13	29 58 46.3	+ 3.0	+32.8

W 19.1 O 24.0
W′ 10.8 O′ 32.2

γ Cephei ...} δ Sculpt ...} $n = -4^s989$

$c = +0.121$
$m = +4.663$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
21h 21m	27.″861	+10.°6	+ 8.°7
22 6	27.861	+10.8	+ 8.5
23 25	27.870	+10.0	+ 7.9
23 58	27.882	+ 9.8	+ 7.9

	m + x	Polpunkt
β Aquarii...	— 55.s83	48° 33′ 3″.7
ε Pegasi....	55.63	4.1
16 Pegasi ..	55.65	3.4
α Aquarii...	55.77	5.7
η Aquarii ..	55.90	5.2
γ Piscium ..	55.81	5.3
δ Sculpt. ...	56.09	5.9
um 22h 19m	— 55.81	48 33 4.8

Tägl. Gang: + 2s00.

1867	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
November 3. (☉) Beob. S. Kreis W.							
		h m s	s		° ′ ″	″	″
16 Pegasi ..	.....	21 48 17.36	— 3.32	9	22 56 0.7	— 0.6	+25.1
α Aquarii ..	.. ..	22 0 9.95	+ 0.24	13	49 11 15.0	— 2.6	+68.6
θ Aquarii ...	.....	11 0.78	+ 1.20	13	56 9 43.2	— 0.7	+88.3
W. Z. CXXVI 2 ..	.....	31 22.34	— 2.39	12	29 8 29.8	— 1.5	+33.1
Anonyma ...	.....	39 35.81	— 2.49	11	28 32 44.2	— 1.5	+32.3
W. Z. CCXXXIV 30	.....	52 12.33	— 2.54	11	28 10 29.3	— 1.7	+31.8
α Pegasi ...	.....	59 23.77	— 1.77	12	33 44 20.8	— 1.7	+39.7
γ Piscium ..	.....	23 11 30.17	— 0.21	12	45 40 8.9	— 1.6	+60.8
W. Z. CXXIV 438	.....	21 21.14	— 2.42	10	29 7 18.4	— 1.6	+33.1
γ Cephei ..	.....	35 43 97	— 30.83	6	.. ..	.....	......
W. Z. CXX 94	.....	53	....	..	29 40 36.9	— 2.1	+33.9
α Androm...	.....	.. ..	....	..	19 52 43.3	— 2.1	+21.0

W 15.0 O 34.2
W′ 24.2 O′ 25.1

γ Cephei ... θ Aquarii ... } $n = -7^s.297$

$c = +0.121$
$m = +7.562$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$21^h 33^m$	27.″913	+ 5.°1	+ 2.°3
22 8	27.928	+ 4.9	+ 2.1
23 6	27.930	+ 4.5	+ 1.7
23 56	27.937	+ 4.2	+ 1.4

	$m + x$	Polpunkt
16 Pegasi ..	$-1^m 10^s.87$	48° 14′ ....
α Aquarii ..	10.64	49″.6
θ Aquarii ...	10.61	51.0
α Pegasi ...	10.88	49.9
γ Piscium ...	10.81	52.2
α Androm...	.....	49.2
um $22^h 26^m$	—1 10.76	48 14 50.5

Tägl. Gang: $+ 2^s.00$.

1867	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
November 13. (☿) Beob. S. Kreis W.							
γ Piscium ..	.....	23	.. ..	..	45 40 2.1	+ 4.9	+60.0
κ Piscium ..	.....	.. ..	.. ..	..	47 41 40.8	+ 4.4	+64.4
γ Cephei ...	.....	.. ..	.. ..	..	331 21 19.4	+ 3.4	—32.2
W. Z. CXX 106	.....	.. 57	.. ..	..	30 8 3.5	+ 2.8	+34.1
γ Pegasi ..	.....	.. ..	.. ..	..	33 47 1.4	+ 4.0	+39.3

1867	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
		h m s	s		° ′ ″	″	″
W. Z. XXXIV 73	.....	0 21	.. ....	..	31 4 23.4	+ 3.4	+35.4
W. Z. CCXLII 5.	.....	34	.. ....	.	28 36 2.5	+ 3.6	+32.0
W. Z. XXXIII 426	.....	44	. ....	..	32 0 26.4	+ 4.7	+36.7
Anonyma ...	.....	53	.. ....	..	30 48 18.8	+ 4.4	+35.0
W. Z. CXXXI 43.	.....	1 4	.. ....	..	29 16 55.0	+ 5.5	+33.0
W. Z. XLI 403.	.....	16	.. ....	.	33 8 9.2	+ 4.3	+38.4
η Piscium ..	.....	.. ..	.. ....	..	33 34 13.5	+ 4.5	+39.0
W. CCXLIII 34	.....	32	.. ....	..	28 12 39.7	+ 3.2	+31.6
β Arietis ...	.....	.. ..	.. ....	..	28 4 33.4	+ 3.2	+31.4
α Arietis ...	.....	.. ..	.. ...	..	25 24 5.3	+ 3.6	+28.0

W 17.0 O 32.2
W′ 10.1 O′ 39.3

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
23^h 7^m	27.″700	+ 4.°5	+ 2.°7
23 50	27.700	+ 4.0	+ 2.5
0 59	27.701	+ 4.0	+ 2.3

	m + n	Polpunkt
γ Piscium ..	.....	48° 14′ 50.″7
ϰ Piscium ..	.....	51.0
γ Pegasi ...	.....	46.1
η Piscium ..	.....	48.1
β Arietis ...	.....	48.6
α Arietis ...	.....	47.9
um $23^h 58^m$	.....	48 14 48.7

November 20. (☿) Beob. S.

Kreis W. (Mittlf.-Mire II) = — 3.ʳ394
Kreis O. (Mittlf.-Mire II) = — 3.411

Kreis O. c = — 0.ˢ026 — ρ

November 30. (♄) Beob. S. Kreis O.

1867	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
γ Cephei ...	.....	23 36 17.49	— 3.68	9	119 1 37.2	— 0.3	+32.8
δ Sculpt. ...	.....	44 15.18	+ 0.22	13	13 20 37.0	— 0.6	—254.9
ω Piscium ..	.....	.. ..	.. ..	..	48 16 58.2	— 1.3	—54.1
γ Pegasi ...	.....	.. ..	.. ..	..	56 35 46.4	— 0.7	—40.1
Anonyma ...	.....	0 21 6.71	— 0.41	11	61 44 53.7	— 1.0	—32.7
W. Z. CCXLIII 5	.....	34 56.82	— 0.41	7	61 46 52.3	— 1.0	—32.7
W. Z. XXXIII 426	.....	44 16.79	— 0.36	9	58 22 24.0	— 0.5	—37.5
L. 1789	.....	57 29.01	— 0.24	9	49 22 40.5	— 0.8	—52.1
W. Z. CXXXI 43	.....	1 5 0.20	— 0.40	8	61 5 52.1	— 1.0	—33.6
θ¹ Ceti	.....	19 38.94	— 0.04	12	33 17 35.4	— 1.2	—92.4

1867	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 11.0 O 44.0
W′ 20.0 O′ 35.0

γ Cephei, δ Sculpt. } $n = -0\overset{s}{.}705$

$c = -0.148$
$m = -0.552$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
23h 48m	27.°837	+ 1.°0	− 0.°7
0 25	......	......	− 0.7
1 10	27.815	+ 0.9	− 0.9

	m + ω	Polpunkt
δ Sculpt. ..	−2m 13.s28	42° 8′ ....
ω Piscium ..	.....	4.″9
γ Pegasi ...	.....	4.4
θ¹ Ceti	13.31	4.1
um 0h 32m	−2 13.30	42 8 4.5

Tägl. Gang: $-2\overset{s}{.}25$.

December 9. (☾) Beob. S. Kreis O.

1867	Grösse	Mittel der Fäden (h m s)	Corr. des Instr. (s)	Zahl d. Fäden	Mittel der Lesungen (° ′ ″)	Libelle (″)	Refr. (″)
γ Piscium ..	.....	23 12 50.85	− 0.15	12	44 42 53.9	− 2.4	−62.0
κ Piscium ..	.....	22 41.48	− 0.15	6	.. ..	......	......
γ Cephei ...	.....	36 32.41	− 0.75	12	119 1 34.2	− 2.3	+33.2
δ Sculpt. ...	.....	44 34.06	− 0.16	12	... .	......	......
W. Z. CCXLII 24	.....	49 8.48	− 0.17	10	62 17 32.5	− 2.6	−32.4
ω Piscium ..	.....	55 3.92	− 0.15	8	48 16 56.1	− 2.6	−54.8
α Androm...	.....	0 4 6.52	− 0.18	12	70 30 15.4	− 2.0	−21.9
W. Z. CCXXXIX 78	.....	8 56.42	− 0.17	7	62 9 49.4	− 2.1	−32.6
W. Z. CCXXXIX 94	.....	15 18.57	− 0.17	3	62 10 3.7	− 2.5	−32.5
W. Z. XXXIV 73	.....	23 42.59	− 0.17	12	59 18 29.7	− 3.0	−36.6
ε Piscium...	.....	58 37.89	− 0.15	13	49 19 39.7	− 2.7	−52.8
W. Z. XLI 86	.....	1 9 39.50	− 0.16	11	57 34 47.1	− 2.7	−39.2
W. Z. CXXXI 76	.....	22 6.71	− 0.17	10	60 42 2.1	− 3.1	−34.6
η Piscium ..	.....	26 57.74	− 0.16	4	56 48 35.7	− 3.2	−40.3
W. Z. CXXIV 2	.....	37 53.05	− 0.17	6	61 46 11.2	− 3.0	−33.1
β Arietis ...	.....	49 53.93	− 0.17	11	62 18 18.2	− 2.8	−32.4

1867	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 39.1 O 18.3
W' 32.8 O' 25.0

γ Cephei... δ Sculpt... } $n = -0^s.022$

$c = -0.148$
$m = +1.031$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
23^h26^m	27."600	— 2°.5	— 4.°8
0 0	......	......	— 5.0
0 40	27.610	— 2.9	— 5.1
1 15	......	......	— 5.3
1 45	27.615	— 3.0	— 5.3

	$m + x$	Polpunkt	
γ Piscium ..	$-2^m31.^s92$	42° 8'	.....
κ Piscium Gev. ½	31.94		.....
δ Sculpt. ...	31.91		.....
ω Piscium ..	32.03		1."4
α Androm...	32.22		2.7
ε Piscium ..	31.99		2.6
η Piscium Gev. ½	32.00		2.6
β Arietis ...	32.24		1.8
um 0^h40^m	—2 32.04	42 8	2.2

Tägl. Gang: — $2^s.26$.

1868

Jänner 11. (♄) Beob. S. Kreis O.

		h m s	s		° ′ ″	″	″
ε Tauri	.....	4 21 25.13	— 0.57	11	61 1 26.1	— 2.0	—34.7
α Tauri	.....	28 51.06	— 0.49	11	58 22 55.9	— 2.3	—38.6
W. Z. LIV 186.	.....	35 3.97	— 0.55	7	60 13 46.6	— 2.3	—35.0
ι Aurigae...	.....	48 54.95	— 0.95	9	75 5 20.0	— 1.6	—17.0
ε Urs. min. U. C	.....	59 46.28	+ 9.86	11	.. ..	....	......
W. Z. LVIII 1 .	.....	5 19 58.77	— 0.53	11	59 59 9.9	— 2.7	—36.5
δ Orionis ...	.....	25 45.91	— 0.14	11	41 44 54.1	— 3.1	—70.1
Anonyma ...	.....	36	....	..	67 11 41.7	— 2.0	—26.4
W. Z. LXIV 74.	.....	47 48.19	— 0.53	5	59 30 47.7	— 2.8	—36.9
ν Orionis ...	.....	6 0 32.71	— 0.46	9	56 55 13.8	- 2.3	—40.8

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 16.0 O ....
W′ 31.0 O′ 29.0

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$4^h 14^m$	27.″693	— 4.°1	— 8.°0
5 6	......	......	— 8.0
5 35	......	......	— 8.1
6 5	27.688	— 5.0	— 8.3

ε Urs. min., ι Aurigae } $n = -1.192$

$c = -0.148$

$m = +0.420$

	m + n	Polpunkt
ε Tauri	—29.ˢ12	42° 7′ 50″.5
α Tauri	28.85	....
ι Aurigae...	28.92	51.7
δ Orionis ...	29.00	51.6
ν Orionis ...	29.10	....
um $5^h 1^m$	— 29.00	42 7 51.3

Tägl. Gang: — 2ˢ39.

Februar 7. (♀) Beob. S.

		h m s					
α Urs. m. K. O	....	1 13 28.70	.. ....	3	.. ..	.. ...	......
α Urs. m. K. W	....	1 13 18.05	.. ....	2	.. ..	.. ...	......

Kreis Ost: W 12.5, O 36.6; W′ 24.2, O′ 25 3

Kreis West: W 10.0, O 38.0; W′ 20.0, O′ 29.0

Kreis Ost: $c = -0.^s243 - \rho$.

Kreis W.

		h m s	s		° ′ ″	″	″
α Persei....	.....	3 17 22.06	— 0.60	6	359 9 44.3	+ 7.2	— 1.2
η Tauri	.....	42 5.35	— 0.17	9	24 51 3.3	+ 8.7	+26.6
ε Tauri	.....	4 23 21.80	— 0.10	11	29 39 33.4	+ 9.0	+32.8
ε Urs. min. U. C.	.....	5 1 52.63	+ 4.05	8	.. ..	......	......
β Tauri	.....	20 24.33	— 0.23	9	20 3 18.8	+ 9.0	+21.0
W. Z. LX 59	.....	27 4.02	— 0.08	9	30 53 59.6	+ 9.2	+34.6
Anonyma ...	.....	39 25.69	— 0.05	8	33 32 30.6	+ 9.4	+38.3
α Orionis ...	.....	50 28.70	+ 0.03	9	41 9 38.2	+ 8.9	+50.6
W. Z. LXII. 115	.....	59 55.64	— 0.08	6	31 0 3.9	+ 9.4	+34.8
W. Z. LVIII 131	.....	6 9 13.52	— 0.09	10	30 36 12.7	+ 9.4	+34.2
W. Z. LX 209	.....	17 35.79	— 0.08	8	30 54 34.3	+ 9.8	+34.6
W. Z. LVII 40	.....	25 58.43	— 0.08	10	31 31 2.4	+ 9.6	+35.5
γ Geminor ..	.....	32 32.36	— 0.07	7	32 2 9.3	+ 9.8	+36.2
α Can maj ..	.....	41 46.93	+ 0.33	11	65 3 42.6	+ 9.7	+123.6

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Refr.

W 8.0 O 41.6
W 20.1 O′ 29.5

ε Urs. min.
α Persei } $n = -0^s.673$

$c = +0.121$
$m = -0.864$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$3^h\ 25^m$	27″.639	+ 5°.4	+ 4°.1
4 55	27.640	+ 5.5	+ 2.8
6 26	......	......	+ 2.5
6 45	27.620	+ 4.6	+ 2.8

	$m + n$	Polpunkt
α Persei....	$-2^m 26.^s30$	48° 33′ 13.″1
η Tauri	26.43	14.1
ε Tauri	26.58	13.7
β Tauri	26.37	16.3
α Orionis ...	26.38	11.7
γ Gemin. ...	26.13	....
α Can. maj..	26.19	....
um $5^h\ 7^m$	−2 26.34	48 33 13.8

Tägl. Gang: $-0^s.28$.

Februar 17. (☾) Beob. S. Kreis W.

		h m s		s		° ′ ″	″	″
α Tauri	.....	4 30 50.71	—	0.01	8	32 18 9.0	+ 9.9	+37.0
ι Aurigae ...	.....	50 54.10	—	0.17	10	15 35 38.5	+ 9.3	+16.1
ε Urs. min. U.C.	.....	5 1 58.53	+	2.72	10	.. ..	......	......
Anonyma ...	.....	12 4.73	—	0.01	7	33 25 42.7	+ 9.2	+38.5
β Tauri	.....	20 27.00	—	0.13	10	20 3 18.2	+ 9.1	+21.2
W. Z. LX 59	.....	28 6.48	—	0.03	9	30 54 1.3	+ 9.6	+34.9
α Orionis ...	.....	50 31.20	+	0.06	11	41 9 41.8	+ 9.3	+51.1
W. Z. LX 187	.....	6 10 15.53	—	0.03	9	30 45 27.8	+ 9.1	+34.8
μ Geminor ..	.....	17 28.43	—	0.07	10	25 58 5.6	+ 9.4	+28.4
W. Z. LVIII 165	.....	23 53.06	—	0.03	8	30 42 47.6	+10.2	+34.7
W. Z. LVI 86	....	30 41.87	—	0.02	10	31 14 30.0	+ 9.6	+35.5
W. Z. LVI 153	.....	55 31.11	—	0.02	10	31 24 17.6	+ 9.8	+35.8
δ Geminor..	.....	7 14 44.43	—	0.07	7	26 19 26.1	+ 9.8	+28.9

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 16.0 O 35.2
W′ 24.0 O′ 26.8

ε Urs. min., ι Aurigae } $n = -0^s.491$

$c = +0.121$
$m = +0.158$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$4^h 29^m$	27.″903	+ 4.°0	+ 3°.2
6 10	27.900	+ 4.0	+ 2.5
7 20	27.899	+ 3.8	+ 1.9

	m + u	Polpunkt
α Tauri	$-2^m 29.^s45$	48° 33′ 15.″9
δ Aurigae ..	29.35	15.0
β Tauri	29.30	16.3
α Orionis ...	29.03	15.8
μ Gemin. ...	29.02	16.2
δ Gemin. ...	29.02	16.2
um $5^h 41^m$	—2 29.20	48 33 15.9

Tägl. Gang — $0^s.57$

Februar 27. (♃) Beob. S. Kreis W.

		h m s		s		° ′ ″	″	″
β Tauri	.....	5 20 32.26	+	0.15	9	20 3 28.0	— 0.5	+20.6
ν Orionis ...	.....	6 2 37.45	+	0.13	11	33 45 55.7	— 0.0	+37.9
W. Z. LXVII 1	.....	11 19.04	+	0.13	10	31 19 29.8	— 0.0	+34.5
μ Geminor. .	.....	17 33.90	+	0.14	11	25 58 11.3	— 0.1	+27.6
W. Z. LXIII 195*	.....	29 26.76	+	0.13	6	31 1 51.0	+ 0.1	+34.1
51 Cephei ..	.....	40 24.43	+	2.77	5	.. ..	.. ...	......
W. Z. LXVII 114	.....	49 50.17	+	0.13	8	31 24 31.2	— 0.6	+34.6
W. Z. LXVII 163	.....	7 6 45.03	+	0.13	10	31 21 17.9	— 1.1	+34.6
δ Geminor ..	.....	14 50.24	+	0.14	11	26 19 33.7	— 0.2	+28.1
W. Z. LXII 1	.....	26 5.09	+	0.13	7	31 19	.. ...	......
α² Geminor .	.....	28 46.15	+	0.15	8	16 22 34.4	— 0.9	+16.6
W. Z. LXIII 3	.....	39 42.06	+	0.13	9	31 13 47.5	— 0.8	+34.5
W. Z. LIV 11	.....	45 37.48	+	0.13	7	31 20 12.4	— 0.8	+34.7
6 Cancri	.....	58 0.34	+	0.15	11	20 23 19.3	— 0.5	+21.1

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 24.0 O 22.4
W′ 16.7 O′ 29.2

51 Cephei, ν Orionis $n = + 0^s.013$

$c = + 0.121$
$m = - 0.370$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$5^h 26^m$	27.″680	+ 8.°6	+ 7°.7
6 25	......	......	+ 7.2
7 22	27.686	+ 8.3	+ 6.7
8 11	27.685	+ 8.0	+ 6.3

	$m + n$	Polpunkt
β Tauri	$-2^m 35^s.02$	48° 33′ 16″.0
ν Orionis ...	34.83	15.8
η Geminor. .	34.85	....
δ Geminor. .	35.15	13.4
α² Geminor..	34.80	13.0
6 Cancri ...	34.89	14.3
um $6^h 44^m$	−2 34.92	48 33 14.5

$F - F^* = + 0^r.635$ $L - L^* = + 2^r.610$
$= + 1^s.955$ $= + 121.″3$

Tägl. Gang: $- 0^s.43$.

Februar 28. (♀) Beob. S. Kreis W.

		h m s		s		° ′ ″	″	″
ε Orionis ...	.....	5 32 6.68	+	0.12	11	49 49 40.4	+ 2.9	+66.7
W. Z. LVII 56	.....	45 25.31	+	0.20	11	30 33 46.6	+ 1.8	+33.3
W. Z. LXII 93	.....	52 28.16	+	0.20	8	30 59 8.4	+ 1.7	+33.9
ν Orionis ...	.....	6 2 37.88	+	0.17	10	33 45 50.3	+ 2.0	+38.6
δ Urs. min. S. C.	.....	17 18.83	−	5.51	7	.. ..	......	......
γ Geminor. .	.....	32 41.16	+	0.19	10	32 2 15.2	+ 1.7	+35.4
δ Geminor. .	.....	7 14 50.31	+	0.21	10	26 19 31.8	+ 1.9	+28.0
W. Z. LXII 1	.....	26 5 35	+	0.19	11	31 39 24.8	+ 1.4	+35.4
W. Z. LXIII 3	.....	39 42.21	+	0.19	11	31 13 42.8	+ 1.1	+34.3
W. Z. LXV 18	.....	48 28.62	+	0.19	9	31 21 43.6	+ 1.6	+34.5
6 Cancri....	.....	58 0.63	+	0.25	9	20 23 15.8	+ 1.2	+20.9

W 18.3 O 27.0
W′ 21.0 O′ 23.5

δ Urs. min., 6 Cancri ... $n = + 0^s.206$

$c = + 0.121$
$m = - 0.598$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$5^h 23^m$	27.″668	+ 9.°1	+ 8.°8
6 40	27.659	+ 9.6	+ 7.7
7 55	27.678	+ 9.8	+ 7.6

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen	
						Libelle	Refr.

	$m + x$	Polpunkt
ε Orionis ...	$-2^m35.^s47$	48° 33′ 14.″2
ν Orionis ...	35.32	13.1
γ Geminor. .	35.45	15.1
δ Geminor...	35.31	13.4
6 Cancri....	35.29	12.3
um $6^h 40^m$	—2 35.33	48 33 13.6

Tägl. Gang: — 0.ˢ45.

März 7. (♄) Beob. S. Kreis W.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Libelle	Refr.
		h m s	s		° ′ ″	″	″
W. Z. LXII 195*	.....	6 29 30.77	+ 0.08	5	31 1 54.5	+ 1.2	+34.3
51 Cephei ..	.....	40 29.86	— 0.61	5	.. ..	......	......
W. Z. LXVII 114	.....	49 53.64	+ 0.08	6	31 24 33.9	+ 0.1	+34.8
W. Z. LXVII 163	.....	7 6 49.12	+ 0.08	10	31 21 16.7	— 0.1	+34.8
δ Geminor. .	.....	14 53.97	+ 0.07	10	26 19 31.2	+ 0.0	+28.2
α^2 Geminor..	.....	28 50.36	+ 0.05	11	16 22 32.7	+ 1.1	+17.0
α Can min. .	.....	35 3.34	+ 0.11	11	42 58 56.7	+ 0.9	+53.3
β Geminor. .	.....	39 54.24	+ 0.06	6	20 12 26.9	+ 0.6	+20.9
6 Cancri....	.....	58 4.43	+ 0.06	9	20 23 16.3	+ 2.0	+21.0

Wolken.

W 25.7 O 24.0
W′ 20.8 O′ 29.0

51 Cephei, α Can. min. } $n = -0.^s150$

$c = +0\ 121$
$m = -0\ 044$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$6^h 24^m$	27.″259	+ 4.°4	+ 2.°9
7 25	27.277	+ 4.1	+ 2.7
8 29	27.278	+ 4.0	+ 2.6

	$m + x$	Polpunkt
δ Geminor...	$-2^m38.^s95$	48° 33′ ...″.
α^2 Geminor..	39.05	14.5
α Can. min	39.19	17.0
β Geminor. .	.....	13.1
6 Cancri....	38.94	14.5
um $7^h 34^m$	— 2 39.01	48 33 14.8

F — F* = + 0.ʳ690 L — L* = + 2.ʳ621
= + 2.ˢ123 = + 121″.9

Tägl. Gang: — 0.ˢ45.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
März 16. (☾) Beob. S. Kreis W.							
		h m s	s		° ′ ″	″	″
α² Geminor..	.....	7 28 54.07	+ 0.30	10	16 22 34.7	+ 1.9	+17.0
W. Z. LXI 59	....	42 31.75	+ 0.21	7	31 0 1.0	+ 0.6	+35.1
λ Urs. min. U. C.	.....	58 53.07	— 20.06	5	.. ..	.. ...	......
Anonyma ...	.....	8 17 15.83	+ 0.19	9	34 30 16.0	+ 0.5	+37.3
W. Z. LXVIII 62	.....	31 38.82	+ 0.21	10	31 46 29.8	+ 0.2	+36.3
ε Hydrae ...	.....	42 30.74	+ 0.15	8	41 38 32.7	+ 0.6	+52.2
ι Urs. maj. .	.....	52 53.20	+ 0.48	12	359 59 52.4	+ 0.5	— 0.4
W. Z. LXVIII 147	.....	9 3 55.14	+ 0.21	8	31 18 49.7	+ 1.5	+35.7
W. Z. LXII 86	.....	24 25.99	+ 0.21	10	30 51 22 7	+ 1.7	+35.1
W. Z. LXX 9	.....	32 34.69	+ 0.21	10	31 43 42.5	+ 2.0	+36.3
ε Leonis....	.....	41 5.05	+ 0.25	11	24 10 6.4	+ 1.3	+26.3
π Leonis ...	.....	55 58.08	+ 0.16	12	39 52 3.1	+ 1.7	+49.2
α Leonis ...	.....	10 3 4.11	+ 0.18	6	35 56 3.5	+ 2.8	+42.7

W 21.6 O 27.5
W′ 26.2 O′ 23.0

λ Urs. maj.
ι Urs. maj. } $n = + 0^s.261$

$c = + 0.121$
$m = - 0.380$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
7h 23m	27.″873	+ 4.°7	+ 2.°5
8 13	......	+ 4.6	+ 2.0
8 37	27.876	+ 4.2	+ 1.7
9 0	......	+ 4.1	+ 1.5
9 38	......	+ 4.1	+ 1.1
10 0	27.886	+ 4.0	+ 1.0

	m + n	Polpunkt
α² Geminor..	—2m 43.s17	48° 33′ 17.″9
ε Hydrae ...	42.81	16.8
ι Urs. maj. .	43.14	17.5
ε Leonis....	42.89	15.1
π Leonis ...	42.85	16.6
α Leonis ...	.....	18.1
um 8h 56m	—2 42.97	48 33 17.0

Tägl. Gang: — 0s.44.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
April 3. (♀) Beob. S. Kreis W.							
		h m s	s		° ′ ″	″	″
π Leonis ...	.....	9 56 5.50	+ 0.06	11	39 52 5.0	− 0.4	+48.6
α Leonis ...	.....	10 4 11.66	+ 0.03	11	35 56 6.5	+ 0.5	+42.2
γ^1 Leonis...	.....	15 32.86	+ 0.03	8	28 2 27.0	+ 0.6	+31.0
Anonyma ...	(7.8)	20 51.10	+ 0.14	7	14 34 29.2	+ 0.0	+15.0
ρ Leonis ...	.....	28 42.92	+ 0.06	10	38 33 35.7	+ 0.5	+46.4
W. Z. LXXIV 1	....	42 29.94	+ 0.00	9	31 18 38.8	+ 0.0	+35.4
W. Z. LXXVII 46	.....	11 3 46.45	+ 0.00	6	30 57 9.5	+ 0.2	+35.0
W. Z. LXXIV 58	.....	10 11.48	+ 0.00	8	30 54 0.8	+ 0.6	+34.9
W. Z. LXXII 80	.....	19 35.05	+ 0 00	9	30 40 50.7	+ 0 6	+34.6
W. Z. LXXIV 406 pr.	.....	38	.. ....	..	31 7 44.7	+ 0.5	+35.3
β Leonis ...	.....	45 11.04	+ 0.02	11	33 14 11.9	+ 0.0	+39 7
η Virginis ..	.....	12 16 1.04	+ 0.12	10	48 28 20.9	+ 0.0	+66.0
α Urs.min. U. C.	.....	13 12 45.65	+ 11.95	3	.. ..	......	......

W 22.5 O 26.0
W′ 29.0 O′ 19.6

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$9^h 41^m$	27.″861	+ 6.°2	+ 3.°4
10 35	27.866	+ 6.0	+ 3.1
11 52	......	+ 6.0	+ 2.4
12 20	27.851	+ 5.8	+ 1.9

α Urs. min., γ^1 Leonis } $n = -0^s.412$

$c = +0.121$
$m = +0.654$

	m + n	Polpunkt
π Leonis ..	$-2^m\ 50^s.33$	48° 33′ 16.″2
α Leonis....	50.24	19.2
γ^1 Leonis...	50.23	19.6
ρ Leonis ...	50.25	17.7
β Leonis ...	50.27	19.0
η Virginis ..	50.56	19.5
um $10^h 48^m$	−2 50.31	48 33 18.5

Tägl. Gang: — $0^s.51$.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
April 4. (♄) Beob. S. Kreis W.							
		h m s	s		° ′ ″	″	″
W.Z. LXXIV 1	.....	10 42 30.53	+ 0.10	9	31 18 38.3	+ 0.3	+34.7
α Urs. maj. .	.....	58 25.43	+ 0.07	13	346 5 44.7	+ 0.1	−14.8
W. Z. LXXVII 46	.....	11 3 46.83	+ 0.10	5	30 57 11.5	+ 0.2	+34.2
W. Z. LXXIV 58	.....	10 12.00	+ 0.10	6	30 54 3.6	+ 0.2	+34.2
ν Leonis....	....	33 3.57	+ 0 12	7	.. ..	......	......
W.Z. LXXIV 106	.....	37 39.96	+ 0.10	8	31 7 47.4	+ 0.8	+34.5
β Leonis ...	.....	45 11.43	+ 0.10	10	33 14 10.3	+ 0.4	+37.5
η Virginis ..	.....	12 16 1.47	+ 0.12	6	48 28 20.8	+ 1.0	+64.7
γ¹ Virginis .	.....	37 50.55	+ 0.12	11	49 15 50.4	+ 0.8	+16.6
W. Z. LXXIII 28	.....	57 30.04	+ 0.10	11	30 42 40.3	+ 1.0	+34.1
α Urs. min. U. C.	.....	13 12 58.40	− 0.96	4	.. ..	......	......

W 26 8 O 21.0
W′ 22 0 O′ 25.7

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$10^h 34^m$	27.″652	+ 7.°7	+ 6.°0
11 16	. ....	+ 8.0	+ 5.5
13 3	27.637	+ 7.5	+ 4.3

α Urs. min.
α Urs. maj. } $n = -0^s\!.097$

$c = +0.121$
$m = +0.177$

	m + x	Polpunkt
α Urs. maj. .	-2^m ..^{s}..	48° 33′ 17.″3
ν Leonis....	50.65	....
β Leonis ...	50.74	15.7
η Virginis ..	50.99	19.1
γ¹ Virgini. .	50.82	17.3
um $12^h 4^m$	−2 50.85	48 33 17.3

Tägl. Gang: — $0^s\!.51$.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
April 18 (♄) Beob. S. Kreis W.							
α Urs. maj. .	.....	10 58 27.63	+ 1.90	11	346 5 39.1	+ 1.2	−14.6
δ Leonis ...	.....	11 10 0.94	+ 0.46	11	27 18 6.6	+ 2.2	+29.2
W.Z. LXXIV 106	.....	37 44.61	+ 0.40	9	31 7 46.0	+ 2.5	+34.3
β Leonis ..	.....	45 15.59	+ 0.36	11	33 14 12.1	+ 2.3	+37.2
η Virginis ..	.....	12 15 5.44	+ 0.12	10	48 28 21.7	+ 2.6	+64.0
γ¹ Virginis ..	.....	37 54.90	+ 0.11	9	49 15 45.9	+ 2.8	+65.9
W. Z. LXXIII 28	.....	57 34.20	+ 0.41	10	30 42 41.7	+ 2.9	+33.7
α Urs. min. U. C.	.....	13 13 43.36	− 40.02	4	.. ..	......	......

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 29.3 O 18.8
W' 22.0 O' 24 3

α Urs. min.
α Urs. maj. } $n = +0^s854$

$c = +0\ 121$
$m = -0.622$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$11^h\ 7^m$	27."399	+ 7.°0	+ 5.°0
12 10	27.400	+ 6.5	+ 5.2
12 52	......	.....	+ 4.7
13 22	27.411	+ 6.5	+ 5.1

	m + n	Polpunkt
δ Leonis....	$-2^m55.^s15$	48° 33′ 19."0
β Leonis ...	55.22	20.4
η Virginis .	54.97	21.2
γ¹ Virginis .	55.14	....
um 11^h57^m	—2 55.12	48 33 20.2

Tägl. Gang: — 0ˢ08.

April 22. (☿) Beob. S. Kreis W.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
		h m s	s		° ′ ″	″	″
* (22) 1859..	.....	12 15 37.03	+ 0.64	10	30 5 3.6	+ 1.5	+32.3
θ¹ Virginis .	.....	13 6 4.44	— 0.01	10	53 22 10.4	+ 1.6	+75.1
α Urs. min. U. C.	.....	14 9.79	— 67.25	5	.. ..	......	......
W. Z. LXIII 74	.....	20 13.11	+ 0.61	8	30 56	......	......
W. Z. LXIII 86	.....	26 14.42	+ 0.61	8	30 57 38.8	+ 1.1	+33.6
W. Z. LXIII 406	.....	40 23.65	+ 0.63	10	30 28 25.7	+ 1.3	+33.0
η Bootis....	.....	51 20.17	+ 0.65	10	29 29 13.0	+ 2.1	+31.7
τ Virginis ..	....	57 52.54	+ 0.18	10	46 21 18.0	+ 1.6	+58.7
W. Z. LXVIII 9	....	14 5 46.29	+ 0.62	9	30 33 53.4	+ 1.7	+33.2
α Bootis....	.....	12 34.49	+ 0.68	11	28 40 34.7	+ 1.9	+30.8
ε Bootis....	.. ..	42 9.37	+ 0.93	11	20 55 4.2	+ 1.5	+21.4
β Urs. min..	. ...	53 57 56	+ 5.91	9	.. ..	......	......

W 19.1 O 21.2
W' 25.3 O' 14.7

α Urs. min.
β Urs. min. } $n = +1^s518$

$c = +0.121$
$m = -1.420$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$12^h\ 8^m$	27."678	+ 12.°3	+ 11.°1
13 17	......	+ 12.3	+ 10.2
13 48	27.661	+ 12.1	+ 9.7
14 47	27.648	+ 11.3	+ 8.7

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

	m + x	Polpunkt
θ¹ Virginis .	−2ᵐ55.ˢ81	48° 33′ 18.″6
η Bootis. . . .	55.33	20.2
τ Virginis . .	55.34	17.1
α Bootis. . . .	55.22	18.2
ε Bootis	55.48	18.5
um 13ʰ58ᵐ	−2 55.46	48 33 18.5

Tägl. Gang: — 0ˢ.08.

Mai 4. (C) Beob. S. Kreis W.

1868	Grösse	Mittel der Fäden (h m s)	Corr. des Instr. (s)	Zahl d. Fäden	Mittel der Lesungen (° ′ ″)	Libelle (″)	Refr. (″)
γ¹ Virginis. .	. . . . .	12 37 54.82	+ 0.09	10	49 15 54.4	+ 1.0	+63.2
12 Can. ven.	. . . . .	52 45.45	+ 1.83	10	9 31 13.8	+ 1.4	+ 8.9
α Urs. min. U. C.	. . . . .	13 14 38.31	— 89.62	5	. . . .	. . . . . .	. . . . . .
W.Z.LXXV 70	. . . . .	19 12.27	+ 0.76	10	31 35 23.3	+ 1.2	+33.5
W. Z. LXIIII 86	. . . . .	26 13.78	+ 0.78	10	30 57 39.7	+ 1.5	+34.0
W. Z. LXXVI 10	. . . .	37 21.60	+ 0.82	11	30 4 38.5	+ 1.4	+31.6
W. Z. LXXVII 39	. . . . .	52 12.68	+ 0.80	5	30 36 18.8	+ 1.2	+32.1
W. Z. LXXVI 70	. . . . .	14 5 23.60	+ 0.81	6	30 16 53.1	+ 1.5	+32.3
α Bootis. . . .	. . . .	12 34.00	+ 0.88	11	28 40 36.1	+ 1.5	+29.9
W. Z. LXXVI 97	. . . . .	20 24.43	+ 0.82	7	30 10 41.9	+ 1.6	+31.8
ε Bootis	. . . . .	42 8.66	+ 1.22	10	20 55 2.0	+ 2.5	+20.8
β Urs. min. .	. . . . .	53 57.35	+ 7.91	11	333 51 59.6	+ 2.3	+27.7
ψ Bootis. . .	. . . . .	15 1 42.71	+ 1.21	10	21 5 8.6	+ 2.3	+21.1

W 22.3 O 13.0
W′ 27.3 O′ 7.8

α Urs. min. / β Urs. min. . } $n = +\,2^s.064$

$c = +\,0.121$
$m = -\,1.367$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
12ʰ34ᵐ	27.″509	+16°4	+15.°1
13 45	. . . . . .	. . . . . .	+14.3
14 27	27.510	+16.2	+13.8
15 6	27.508	+16.1	+13.0

	m + x	Polpunkt
γ¹ Virginis .	−2ᵐ55.ˢ10	48° 33′ 18″.9
12 Can. ven.	55.16	20.1
α Bootis. . . .	54.88	20.1
ε Bootis	54.98	19.3
ψ Bootis	54.83	21.1
um 13ʰ54ᵐ	−2 54.97	48 33 19.9

Tägl. Gang: + 0ˢ.04.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Mai 13. (☿) Beob. S. Kreis W.							
		h m s	s		° ′ ″	″	″
αUrs. min. U. C.	....	13 20 13.32	—411.93	3	.. ..	......	.. ...
W.Z.LXXV 74	....	22 2.63	+ 3.21	10	31 18 18.1	+ 5.5	+34 1
W. Z. LXXVI 10	....	37 27.35	+ 3.45	11	30 4 30.7	+ 4.8	+32.3
τ Virginis ..	....	58 0.52	+ 0.50	7	46 21 19.9	+ 4.9	+58.9
W. Z. LXXVIII 9	....	14 5 52.00	+ 3.35	9	30 33 46.6	+ 5.5	+33.2
W. Z. LXXVIII 28	....	15 31.46	+ 3.35	10	30 34 55.0	+ 5.2	+33.2
W. Z. LXXVI 97	....	20 30.21	+ 3.43	4	30 10 37.9	+ 5 2	+32.7
W. Z. LXXVIII 53	....	28 3.50	+ 3.29	10	30 53 55.2	+ 5.3	+33.6
ε Bootis	....	42 13.06	+ 5.34	10	20 54 59.0	+ 5.9	+21.4
β Urs. min. .	....	53 36.23	+ 36.64	12	333 50 55.0	+ 5.3	+28.4
ψ Bootis ...	....	15 1 46.88	+ 5.30	6	21 5 2.4	+ 5.2	+21.6
W. Z. LXXIX 86	....	9 12.49	+ 3.47	8	29 56 51.4	+ 5.9	+32.4
W. Z. LXXIX 99	....	17 4.78	+ 3.40	10	30 17 28.8	+ 5.2	+32.9
W.Z.LXXX 83	....	26 53.80	+ 3.54	12	29 35 25.2	+ 5.7	+32.0
α Coronae ..	....	32 5.78	+ 5.23	11	21 23 14.0	+ 5.0	+22.0
α Serpent. ..	...	40 49.94	+ 1.31	10	41 41 50.4	+ 5.5	+50.3

W 11 8 O 26.1
W′ 20.8 O′ 17.0

α Urs. min., β Urs. min. } $n = + 9^s.929$

$c = + 0.121$
$m = -11.451$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
13h 10m	27.″803	+ 13.°2	+ 10.°7
14 11	27.805	+ 13.7	+ 10.2
14 49	......	+ 13.1	+ 9.8
15 24	......	+	+ 9.5
15 37	27.804	+ 13.3	+ 9.4

	m + s	Polpunkt
τ Virginis ..	—3m 3.s58	48° 33′ 23.″9
ε Bootis	3.45	22.1
ψ Bootis .. .	.....	20.3
α Coronae ..	3.35	20.0
α Serpent. ..	3.49	20.7
um 14h 58m —3	3.47	48 33 21.4

Tägl. Gang: + 0s.12.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Mai 14. (♃) Beob. S. Kreis W.							
		h m s	s		° ′ ″	″	″
α Urs. min. U. C.	....	13 13 37.68	— 27.78	3	.. ..	......	......
W. Z. LXXV 74	....	21 53.78	+ 0.30	10	31 18 22.8	+ 2.0	+34.0
τ Virginis ..	...	57 48.70	+ 0.11	5	46 21 21.6	+ 2.5	+58.7
W. Z. LXXVIII 9	....	14 5 43.17	+ 0.31	9	30 33 49.4	+ 2.2	+33.1
W. Z. LXXVIII 28	....	15 22.45	+ 0.31	9	30 34 58.8	+ 2.7	+33.1
W. Z. LXXVI 97	....	20 21.81	+ 0.31	9	30 10 37.4	+ 2.5	+32.6
W. Z. LXXVIII 53	...	27 54.89	+ 0.31	10	30 53 56.5	+ 2.8	+33.5
W. Z. LXXVIII 75	....	39	.. ....	..	30 43 48.5	+ 3.0	+33.3
W. Z. LXXX 4	....	45 37.51	+ 0.32	8	29 47 42.8	+ 2.5	+32.1
ψ Bootis ...	....	15 1 40.17	+ 0.43	10	21 5 4.7	+ 3.0	+21.6
W. Z. LXXIX 86	....	9 3.52	+ 0.32	6	29 56 50.4	+ 2.6	+32.3
W. Z. LXXIX 99	....	16 55.91	+ 0.31	11	30 17 27.9	+ 1.7	+32.8
W. Z. LXXX 83	....	26 45.02	+ 0.32	11	29 35 28.0	+ 1.9	+31.9
α Coronae ..	....	31 58.60	+ 0.43	11	21 23 16.8	+ 3.0	+21.9
α Serpent. ..	....	40 38.90	+ 0.19	11	41 41 53.2	+ 3.1	+50.2
ζ Urs. min..	. ..	51 40.32	+ 4.67	7	330 21 47.5	+ 3.2	—32.7
δ Ophiuchi..	....	16 10 18.80	+ 0.08	11	51 53 12.4	+ 3.5	+71.7

W 23.5 O 13.0
W′ 15.6 O′ 21.0

	Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
	13^h21^m	27.″897	+14.°8	+12.°2
	14 3	......	......	+11.7
	14 53	27.890	+14.8	+11.0
	15 22	......	......	+10.6
	16 6	27.876	+14.7	+10.3

α Urs. min., ζ Urs. min. } $n = + 0^s.556$

$c = + 0.121$

$m = - 0.456$

	$m + n$	Polpunkt
τ Virginis ..	$-2^m51.^s40$	48°33′ 23.″1
ψ Bootis....	51.46	20.6
α Cor. bor. .	51.36	20.9
α Serpent. ..	51.32	21.1
δ Ophiuchi..	51.28	20.7
um 15^h16^m	—2 51.36	48 33 21.3

Tägl. Gang: $+ 0^s.21$.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Mai 19. (♂) Beob. S. Kreis W.							
		h m s	s		° ′ ″	″	″
α Urs. min. U.C.	....	13 14 2.75	− 49.12	2	.. ..	......	......
W. Z. LXIII 74	....	20 7.91	+ 0.50	6	30 56 6.7	+ 0.1	+33.0
W. Z. LXVII 35	....	49 18.28	+ 0.49	4	30 29 52.5	+ 0.9	+32.5
W. Z. LXVI 44	....	53	.. ....	..	30 12 38.6	+ 0.4	+32.1
α Bootis....	....	14 12 30.11	+ 0.52	11	28 40 35.9	+ 1.3	+30.2
W.Z. LXVI 113	....	28 13.88	+ 0.49	11	30 19 1.0	+ 2.2	+30.4
W.Z. LXVIII 75	....	39 19.91	+ 0.48	10	30 43 50.5	+ 1.7	+32.8
W.Z. LXXX 4	....	45 36.14	+ 0.48	9	29 47 47.9	+ 2.1	+31.6
β Urs. min. .	....	53 56.72	+ 4.35	12	333 51 57.8	+ 2.0	−27.9
ψ Bootis....	....	15 1 38.59	+ 0.71	11	21 5 8.6	+ 2.8	+21.2
α Cor. bor. .	....	31 57.35	+ 0.70	12	21 23 20.5	+ 3.0	+21.5
α Serpentis .	....	40 37.74	+ 0.27	11	41 41 57.1	+ 3.0	+49.2

W 14.4 O 17.6
W′ 21.2 O′ 11.0

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$13^h 26^m$	27″747	+16.°4	+14.°3
14 24	......	......	+13.5
15 7	27.737	+15.7	+13.4
15 36	27.731	+15.2	+13.5

α Urs. min., β Urs. min.: $n = +1^s.092$

$c = +0.121$

$m = -0.992$

	$m + x$	Polpunkt
α Bootis....	$-2^m 50^s.63$	48° 33′ 22.″5
ψ Bootis....	50.04	25.0
α Cor. bor. .	50.35	25.4
α Serpentis .	50.20	24.6
um $15^h 8^m$	−2 50.33	48 33 24.4

Tägl. Gang: $+1^s.00$.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Mai 20. (☿) Beob. S. Kreis W.							
α Urs. min. U.C.	....	13 13 56 11	− 44.52	4	.. ..	......	......
Anonyma ..	....	19 21.21	+ 0.42	9	31 35 4.1	+ 1.0	+33.6
W. Z. LXIII 406.	....	40 18.09	+ 0.44	11	30 28 28.2	+ 0.2	+32.2
W. Z. LXVII, 35	....	49 17.60	+ 0.44	7	30 29 57.1	+ 0.8	+32.3
τ Virginis ..	....	57 46.94	+ 0.16	10	46 21 25.8	+ 0.8	+57.5

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
α Bootis....	....	14h 12m 28s.86	+ 0s.48	11	28° 40′ 38″.5	+ 2″.1	+30″.0
W. L. LXXVI, 143.	. ..	28 13.57	+ 0.44	11	30 19 3.4	+ 2.3	+32.1
β Urs. min.	....	53 54.94	+ 3.89	13	333 52 2.0	+ 1.5	−27.8
ψ Bootis....	....	15 1 37.65	+ 0.64	12	21 5 11.8	+ 1.0	+21.1
α Cor. bor..	....	31 56.35	+ 0.64	13	21 23 25.2	+ 1.5	+21.5

W 21.8 O 10.2
W′ 16.3 O′ 15.8

α Urs. min. }
β Urs. min. } $n = +0^s.965$

$c = +0.121$
$m = -0.685$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
13h 11m	27.″642	+17.°8	+14.°8
14 2	27.633	+17.4	+14.1
15 15	27.630	+16.0	+13.0

	m + x	Polpunkt
τ Virginis ..	−2m 49s.67	48° 33′ 24.″9
α Bootis....	49.34	25.9
ψ Bootis . .	49.03	26.5
α Cor. bor. .	49.28	. . .
um 14h 41m	−2 49.35	48 33 25.8

Tägl. Gang: $+0^s.46$.

Mai 25. (☾) Beob. S. Kreis W.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
α Urs.min.U.C.	....	13 14 23.03	— 69.51	2	.. ..	....	......
W. L. LXXVII 39	....	52 5.23	+ 0.64	10	30 36 14.7	+ 0.7	+31.8
τ Virginis ..	.. .	57 44.72	+ 0.18	9	46 21 25.7	+ 1.5	+56.5
α Bootis....	....	14 12 26.41	+ 0.70	10	28 40 37.1	+ 1.3	+29.4
ρ Bootis....	....	28 56.13	+ 1.08	11	17 35 53.7	+ 1.5	+17.0
W, L. LXXIII 25.	....	42 13.29	+ 0.66	9	30 6 27.4	+ 1.0	+31.0
β Urs. min.	....	53 50.78	+ 6.12	10	.. ..	....	.....
W. L. LXXX 24	....	56 45.79	+ 0.66	9	30 1 36.8	+ 1.3	+31.1
ψ Bootis....	....	15 1 35.13	+ 0.96	11	21 5 8.2	+ 1.3	+20.7

W 18.0 O 10.0
W′ 23.4 O′ 4 6

α Urs. min. }
β Urs. min } $n = +1^s.575$

$c = +0.121$
$m = -0.886$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
13h 39m	27.″660	−21.°0	+18.°7
14 8	......	......	+18.6
14 35	.....	......	+18.5
15 9	27.663	+20.8	+18.0

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

	m + n	Polpunkt
τ Virginis ..	−2m47.s48	48° 33′ 24.″9
α Bootis	47.12	23.8
ρ Bootis	47.11	24.1
ψ Bootis	46.93	23.8
um 14h25m	−2 47.16	48 33 24.1

Tägl. Gang: + 0s.46.

Juni 14. (☉) Beob. S. Kreis W.

		h m s	s		° ′ ″	″	″
W. Z. LXXI 8.	....	16 7	.. ..	..	30 23 50.7	− 0.6	+32.5
W. Z. LXXI 23	....	14 39.28	+ 0.16	10	30 26 42.5	− 0.7	+32.6
W. Z. LXXIII 43	....	21 20.51	+ 0.17	10	30 35 41.7	− 0.8	+32.8
W. Z. LXXI 58	....	28 12.43	+ 0.16	9	30 45 39.8	− 0.4	+32.8
W. Z. LXXIV 37	....	34 51.86	+ 0.16	10	30 31 47.5	− 0.1	+33.5
ζ Herculis ..	....	39 0.30	+ 0.60	11	16 42 28.2	− 0.7	+16.5
W. Z. LXXVI 94	....	47 14.84	+ 0.18	11	29 56 17.1	− 0.0	+32.0
ε Urs. min. .	....	17 2 13.89	+ 9.43	11	.. ..	......	......
α Herculis ..	....	11 19.97	+ 0.08	10	34 0 10.8	− 0.2	+37.5
W. Z. II 73.	8	23 49.41	+ 0.14	9	31 27 42.0	− 0.4	+34.0
α Ophiuchi ..	....	31 30.65	+ 0.01	12	35 53 13.6	0.0	+40.2
W. Z. I 31	...	38 10.61	+ 0.12	9	32 12 47.3	+ 0.1	+35.0
μ Herculis ..	....	43 59.44	+ 0.47	11	20 45 1.5	0.0	+21.0

W 18.1   O 16.4
W′ 25.0   O′ 9.4

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
16h 1m	27.″828	+16.°0	+13°5
17 16	27.835	+16.0	+12.8
17 49	27.838	+16.0	+12.8

ε Urs. min., α Ophiuchi } $n = + 1^s.643$

$c = + 0.121$
$m = - 1.262$

	m + n	Polpunkt
ζ Herculis ..	−2m40.s24	48° 33′29.″8
α Herculis ..	40.29	29.9
α Ophiuchi ..	40.15	31.1
μ Herculis ..	40.24	28.1
um 17h16m	−2 40.23	48 33 29.7

Tägl. Gang: + 0s.20.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Juni 15. (☾) Beob. S. Kreis W.							
		h m s	s		° ′ ″	″	″
W. Z. LXXIX 25	....	14 42 6.36	+ 0.33	10	30 6 29.9	− 1.3	+ 31.3
W. Z. LXXX 24	....	56 39.20	+ 0.33	11	30 1 37.5	− 1.5	+ 31.6
Anonyma ...	....	15 0 49 57	+ 0.71	10	20 57 6.3	− 1.5	+ 20.8
α Persei U. C.	....	17 36.49	− 1.92	9	......	......	......
α Cor. bor.	....	31 47.08	+ 0.69	12	21 23 22.9	− 1.2	+ 21.4
α Serpentis .	....	40 27.78	+ 0.10	10	41 41 59.7	− 0.5	+ 49.0
ζ Urs. min. .	....	51 25.52	+ 8.37	5	......	......	......
Nouva Coronae .	....	56 39.88	+ 0.65	6	22 15 10.6	− 1.1	+ 22.4
W. Z. LXXXIII 3*	....	16 7 12.98	+ 0.32	6	30 37 3.5	− 0.3	+ 32.5
W. Z. LXXXI 43	....	22 13.62	+ 0.31	10	30 56 14.7	0.0	+ 32.9
W. Z. LXXXI 58	....	28 12.05	+ 0.31	10	30 45 37.7	0.0	+ 32.6
W. Z. LXXXIV 37	....	34 51.38	+ 0.30	9	30 31 44.1	+ 0.1	+ 33.2
ζ Herculis ..	....	39 0.04	+ 0.90	11	16 42 26.1	+ 0.1	+ 16.4
W. Z. LXXXVI 94	....	47 14.63	+ 0.34	12	29 56 15.4	+ 0.5	+ 31.7
ϰ Ophiuchi ..	....	54 7.19	+ 0.01	11	38 57 41.8	+ 0.5	+ 44.5

W 22.7 O 8.6
W′ 17.0 O′ 14.2

ζ Urs. min.
α Persei U. C. } $n = + 2^s.103$

$c = + 0.121$
$m = - 1.801$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
14ʰ48ᵐ	27.″818	+ 18.°9	+ 16.°8
15 36	27.809	+ 18.3	+ 16.0
16 12	......	.....	+ 15.4
16 45	27.801	+ 18.0	+ 15.0

	m + n	Polpunkt
α Cor. bor. .	— 2ᵐ40.ˢ06	48° 33′ 29.″6
α Serpentis .	39.98	27.2
ζ Herculis ..	40.28	28.7
ϰ Ophiuchi ..	39.84	30.3
um 16ʰ11ᵐ	— 2 40.04	48 33 29.0

F — F* = + 0ʳ.888 L — L* = + 2ʳ.609
= + 2ˢ.783 = + 120″.92

Tägl. Gang: + 0ˢ.20.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Juni 17. (☿) Beob. S. Kreis W.							
		h m s	s		° ′ ″	″	″
ζ Urs. min.	....	15 47 51.18	+ 7.71	9	.. .. ..	.....	......
W.Z.LXXXI 8	....	16 5 20.52	+ 0.28	7	30 23 49.5	+ 0.1	+31.7
W.Z.LXXXI 23	....	11 4.16	+ 0.28	11	30 26 45..	+ 0.2	......
W.Z.LXXXIII 43	...	17 45.40	+ 0.28	8	30 35 42..	.. 0.0	+32.0
W.Z.LXXVI 42	...	22 6.01	+ 0.28	11	30 15 19.9	+ 0.2	+31.6
ζ Herculis	....	35 25.02	+ 0.82	11	16 42 29.2	0.0	+16.1
W.Z.LXXIV 60	....	40 9.22	+ 0.28	10	30 21 31.8	+ 0.8	+32.2
W.Z.LXXII 135	....	52 13.77	+ 0.27	11	30 48 28.5	+ 0.5	+32.3
W.Z.LXXIV 102	....	58 25.71	+ 0.28	11	30 22 55.1	+ 0.6	+31.8
α Herculis	...	17 7 44.39	+ 0.15	12	34 0 11.4	+ 0.7	+36.6
W.Z. IV 69	....	18 41.48	+ 0.28	7	30 36 45.4	+ 0.7	+32.1
α Ophiuchi	....	27 55.51	+ 0.09	11	35 53 13.4	+ 0.7	+39.3
μ Herculis	....	40 24.28	+ 0 65	11	20 45 2.2	+ 1.2	+20.5

W 20.0 O 7.2
W′ 15.2 O′ 12.0

ζ Urs. min., α Ophiuchi: $n = +1^s.976$

$c = +0.121$

$m = -1.688$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. auss.
$16^h\ 3^m$	27.″724	+20.°3	+18.°0
16 28	......	......	+17.8
17 13	27.718	+20.0	+17.2
17 37	27.718	+19.8	+16.9

	m + n	Polpunkt
ζ Herculis ..	$-0^m 54^s.83$	48° 33′ 31.″9
α Herculis ..	55.25	31.1
α Ophiuchi .	54.93	31.2
μ Herculis ..	54.77	30.2
um $17^h 13^m$	−0 54.94	48 33 31.1

Tägl. Gang: $-0^s.39$.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Juni 22. (☾) Beob. S. Kreis W.							
☄ Winnecke U. C.	....	17 1 25.71	− 2.31	11	284 25 36.2	− 2.5	−214.7
α Aurigae U. C.	....	7 57.35	− 1.55	7	274 35 29.3	+ 1.7	−632.5
δ Urs. min.	....	18 15 43.98	+ 27.69	9	321 57 52.7	+ 1.5	−43.7
51 Cephei U. C.	....	38 51.81	+ 34.05	12	315 48 48.9	+ 2.3	−54.4

Comet schwach und verschwommen.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 22.8 O 6.0
W' 17.2 O' 11.6

δ Urs. min, 51 Cephei } n = — 1ˢ.289

c = + 0.121
m = — 1.504

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss
16^h46^m	27."553	+19.°2	+16."8
17 15	.. ...	......	+16.5
18 1	27.549	+18.8	+15.7
18 17	27.552	+18.2	+15.2

	m + n	Polpunkt
α Aurigae ..	— $0^m59.^s70$	48° 33′ 32."9
δ Urs. min. .	.....	36.4
51 Cephei ..	.....	....
um $17^h\ 8^m$	— 0 59.70	48 33 33.6

Tägl. Gang: + 4ˢ.63.

Juni 23. (♂) Beob. S. Kreis W.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
		h m s	s		° ′ ″	″	″
R. 1275 U. C.	....	16 30 28.26	— 2.03	11	281 50 14.3	— 1.3	—260.6
R. 1342 U. C.	....	46 36.97	— 2.03	9	281 15 57.4	— 1.1	—273.9
ε Urs. min. .	....	17 0 25.56	+ 11.77	10	... .	......	......
α Aurigae U.C.	....	7 52.31	— 1.51	11	274 35 28 9	— 1.4	—629.9
✐ Winnecke	....	23 49.92	— 2.30	10	284 50 20.2	— 1.3	—207.7

W 16.8 O 11.2
W' 22.0 O' 6.2

ε Urs. min., α Aurigae } n = — 1ˢ.952

c = + 0.121
m = + 1.480

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
16^h19^m	27."498	+19.°8	+17.°7
17 0	......	......	+17.6
17 11	......	......	+17.3
17 30	27.500	+19.5	+17.0

	m + n	Polpunkt
R 1275	—$0^m..^s..$	48° 33′ 28."8
R 1342	55.46	29.9
α Aurigae ..	54.68	31.2
um 16^h58^m	—0 55.07	48 33 29.9

Tägl. Gang: + 4ˢ.63.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Juli 3. (♀) Beob. S. Kreis W.							
		h m s					
α Urs. min. U. C. Kr. W	....	13 11 26.44	....	4	....	....	....
α Urs. min. U. C. Kr. O.	....	13 11 59.49	....	3	....	....	....

Kreis West

W 26.0 O 8.0
W′ 19.8 O′ 14.4

Diff. (Mittlf.-Merdz. I) = — 0ʳ.388
Diff. (Mittlf.-Merdz. II) = — 3.757

$b_1 - b_2 = + 0^s.155$
$a_1 - a_2 = - 0.040$

Kreis Ost

W 21.0 O 13.0
W 28.0 O′ 6.0

Diff. (Mittlf.-Merdz. I) = — 0ʳ.195
Diff. (Mittlf.-Merdz. II) = — 3.543

Kreis Ost $c = + 0^s.3332 - \rho$

Kreis O.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
		h m s	s		° ′ ″	″	″
δ Ophiuchi..	....	16 7 37.70	+ 0.25	11	38 48 37.7	— 6.0	—69.8
W. Z. LXXXI 23	....	12 8.62	+ 0.74	6	60 15 18.3	— 5.5	—32.2
W. Z. LXXXI 43	....	19 43.02	+ 0.72	9	59 45 44.7	— 7.0	—32.8
ζ Herculis..	....	36 29.39	+ 1.14	10	73 59 33.9	— 7.3	—16.3
W. Z. LXXXIV 61	....	41 26.43	+ 0.74	7	60 19 43.0	— 7.7	—32.2
κ Ophiuchi..	..	51 36.82	+ 0.53	11	51 44 20.1	— 7.0	—44.4
ε Urs. min.	....	59 40.58	+ 11.42	8	.. ..	....	....

W 28.6 O 6.5
W′ 20.3 O′ 15.0

ε Urs. min.
δ Ophiuchi } $n = + 1^s.231$

$c = - 0.319$
$m = - 0.481$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
16ʰ 17ᵐ	27.″419	+ 15.°2	+ 12.°5
17 9	27.413	+ 14.7	+ 12.1

	m + x	Polpunkt
δ Ophiuchi..	—0ᵐ 10.ˢ14	42° 8′ 24.″7
ζ Herculis..	9.87	20.0
κ Ophiuchi..	9.96	22.4
um 16ʰ32ᵐ	—0 9.99	42 8 22.4

Tägl. Gang: — 1ˢ.17.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Juli 6. (☾) Beob. S. Kreis O.							
		h m s	s		° ′ ″	″	″
W.Z.LXXVIII 21	....	16 20 48.38	+ 0.64	11	60 51 35.4	— 0.7	—31.5
ζ Herculis ..	....	36 27 71	+ 0.91	9	73 59 27.7	— 0.1	—13.1
W.Z.LXXVI 86*	....	41 20.89	+ 0.64	7	60 43 51.6	— 0.2	—31.8
W.Z.LXXVIII 71	....	45 21.13	+ 0.64	7	61 7 53.5	— 0.3	—31.3
W Z.LXXVIII 90	....	53 51.61	+ 0.63	10	60 54 26.8	— 1.0	—31.6
α Herculis ..	....	17 8 47.53	+ 0.56	11	56 41 46.5	— 1.3	—37.3
α Ophiuchi .	....	28 58.39	+ 0.53	10	54 48 46.1	— 1.5	—40.0
μ Herculis ..	....	41 27.21	+ 0.82	9	69 56 58.7	— 5.8	—20.9
W.Z.LXXIII 17	....	50 35.03	+ 0.64	5	61 9 38.2	— 5.0	—31.3
δ Urs. min. .	....	18 14 58.47	+ 20.25	6	.. ..	.....	......
51 Cephei U.C.	....	37 52.44	— 25.88	6	.. ..	.....	......

W 25.2 O 9.5
W′ 19.6 O′ 15.0

δ Urs. min. }
51 Cephei } $n = + 0^s.880$

$c = + 0.319$
$m = - 0.321$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$16^h 26^m$	27.″530	+15.°0	+12.°0
17 3	27.528	+14 5	+11.7
17 39	......	......	+11.6
18 4	27.541	+14.5	+11.3

	m + n	Polpunkt
ζ Herculis ..	$-0^m\ 8^s.03$	42° 8′ 23.″5
α Herculis ..	8.27	22.0
α Ophiuchi .	8.31	22.4
μ Herculis ..	8.27	21.0
um $17^h 14^m$	—0 8.22	42 8 22.2

$F - F^* = - 3^r.124$
$= - 9^s.613$

$L - L^* = + 2^r.704$
$= + 125.''7$

Tägl. Gang — $0^s.12$.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Juli 10. (♀) Beob. S. Kreis O.							
ε Urs. min. .	....	16 59 38.17	+ 10.90	9	.. ..	......	......
α Aurigae U. C.	....	17 7 6.14	— 1.70	9	.. ..	......	......
W. Z. III 69	....	12 23.44	+ 0.67	10	59 36 50.1	— 3.6	—32.4
Anonyma ..	9	17 26.69	+ 0.66	9	59 45 8.4	— 4.3	—32.3
α Ophiuchi .	....	28 58.64	+ 0.56	11	54 48 45.8	— 3.9	—39.2
W. Z. I 31 .	....	35 38.95	+ 0.63	6	58 29 9.9	— 4.3	—34.1
μ Herculis ..	....	41 27.58	+ 0.91	10	69 56 57.9	— 4.0	—20.4

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
		h m s	s		° ′ ″	″	″
W.Z.LXXXIII 17	....	17 50 35.29	+ 0.70	11	61 9 35.2	— 4.3	—30.7
W.Z.LXXXVII 13	....	18 2 10.19	+ 0.70	8	61 0 50.9	— 3.7	—30.9
W.Z.LXXXVII 50	....	12 57.06	+ 0.70	7	60 59 48.1	— 4.3	—30.9
Anonyma...	....	21 48.57	+ 0.69	9	60 48 50.8	— 4.3	—31.1
α Lyrae....	....	32 38.11	+ 1.24	10	80 48 33.2	— 3.8	— 9.2

W 23.1 O 9.4
W′ 16.7 O′ 15.7

		Therm. R. inn.	Therm. R. äuss.
Uhrzeit	Bar.		
$17^h 20^m$	27.″568	+ 18.°6	+16.°5
17 56	......	+ 18.2	+16.4
18 37	27.561	+ 18.0	+16.4

ε Urs. min. } α Aurigae } $n = + 1.^s040$

$c = + 0.319$
$m = - 0.682$

	$m + n$	Polpunkt
α Ophiuchi .	$-0^m\ 8.^s59$	42° 8′ 20.″8
μ Herculis..	8.74	21.6
α Lyrae....	8.76	21.7
um $17^h 54^m$	—0 8.70	42 8 21.4

Tägl. Gang: + $0.^s40$.

Juli 11. (♄) Beob. S Kreis O.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
W. Z. LXXXIII 23	....	16 10 31.26	+ 0.69	8	60 15 6.5	+ 6.5	—31.7
W. Z. LXXXVIII 24	....	20 48.68	+ 0.70	10	60 51 29.9	+ 6.1	—30.9
W.Z. LXXXVIII 49	....	36 13.62	+ 0.70	10	61 1 55.5	+ 6.2	—30.7
W. Z. LXXXVI 86	....	41 20.95	+ 0.70	11	60 45 47.8	+ 5.9	—31.1
W. Z. LXXXI 443	...	45 2.89	+ 0.68	10	59 57 46.2	+ 6.2	—32.1
W. Z. LXXXI 435	....	53 16.69	+ 0.68	11	59 53 21.3	+ 5.9	—32.2
W.Z. LXXXIV 402	....	59 28.74	+ 0.69	9	60 18 54.0	+ 5.6	—31.7
α Herculis ..	...	17 8 47.41	+ 0.60	11	56 41 38.6	+ 5.8	—36.5
W. Z. III 92	...	23 25.26	+ 0.67	10	59 42 46.4	+ 5.3	—33.2
α Ophiuchi..	....	28 58.40	+ 0.57	11	54 48 37.9	+ 5.3	—39.2
μ Herculis..	....	41 27.31	+ 0.92	8	69 56 50.8	+ 5.3	—20.4
γ Draconis..	....	53 41.36	+ 1.84	12	93 38 50.1	+ 5.0	+ 3.2
W.Z. LXXXVII 13	....	18 2 9.71	+ 0.70	8	61 0 44.2	+ 5.0	—30.9
W.Z. LXXXVII 50	....	12 56.43	+ 0.73	7	60 59 35.3	+ 3.8	—30.9
W.Z. LXXXVII 74	....	21 48.14	+ 0.70	10	60 48 44.6	+ 5.0	—31.2
51 Cephei U. C.	....	37 58.05	— 28.50	7	.. ..	......	......

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W′ 14.8	O 15.4
W′ 20.2	O′ 9.7

51 Cephei, γ Draconis: $n = + 1^s.055$

$c = + 0.319$

$m = - 0.864$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$16^h 27^m$	27.″629	+19.°6	+17.°9
17 3	27.631	+19.6	+17.4
17 33	......	......	+17.1
17 58	......	......	+16.7
18 28	27.639	+19 4	+16.5

	m + x	Polpunkt
α Herculis ..	$+0^m\ 8^s.20$	42° 8′ 21.″2
α Ophiuchi ..	8.36	22.0
μ Herculis ..	8.48	23.6
γ Draconis ..	8.19	22.8
um $17^h 33^m$	—0 8.31	42 8 22.4

Tägl. Gang: + 0ˢ.72.

Juli 12. (☉) Beob. S. Kreis O.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Libelle	Refr.
		h m s	s		° ′ ″	″	″
W. Z. LXXXIII 23	....	16 10 30.30	+ 0.67	10	60 15 8.8	+ 1.3	−31.9
W. Z. LXXXVI 42	....	23 7.96	+ 0.67	7	60 26 32.8	+ 1.0	—31 7
W. Z. LXXXVIII 49	....	36 12.65	+ 0.68	10	61 1 58 3	+ 1.1	—30.9
W. Z. LXXXI 113	....	45 1.91	+ 0.66	10	59 57 52.1	+ 1.0	−32.3
W. Z. LXXXI 135	...	53 15.57	+ 0.66	9	59 53 23.3	+ 1.2	—32.4
ε Urs. min. .	....	59 37.45	+ 10.66	8	.. ..	.....	......
α Aurigae U.C.	....	17 7 5.46	— 1.67	11	.. ..	......	.....
θ Ophiuchi ..	...	14 4.71	— 0.12	10	17 19 30.8	+ 1.0	—178.5
W. Z. III 92	....	23 24.55	+ 0.65	10	59 42 50.6	+ 0.7	—32.7
α Ophiuchi	....	28 57.56	+ 0.56	11	54 48 41.5	+ 0.7	—39.4
μ Herculis .	....	41 26.36	+ 0.89	11	69 56 52.5	+ 0.8	—20.5

W 21.0	O 9.7
W′ 14.7	O′ 15.8

ε Urs. min., α Aurigae: $n = + 1^s.008$

$c = - 0.319$

$m = + 0.630$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$16^h 16^m$	27.″598	+18.°8	+16.°0
16 41	......	......	+15.8
17 18	27.598	+19.0	+15.5
17 39	27.600	+19.4	+15.5

	m + x	Polpunkt
θ Ophiuchi ..	$-0^m\ 7^s.74$	42° 8′ 19.″8
α Ophiuchi ..	7.52	20.5
μ Herculis ..	7.51	20.5
um $17^h 28^m$	—0 7.59	42 8 20.3

Tägl. Gang: + 0ˢ.72

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Juli 16. (♃) Beob. S. Kreis O.							
		h m s	s		° ′ ″	″	″
W.Z.LXXXVIII 55	....	16 38 44.41	+ 0.72	9	60 58 8.6	− 1.7	−30.8
W.Z.LXXXVIII 74	....	45 19.37	+ 0.73	11	61 7 52.9	− 3.0	−30.6
W.Z.LXXXVIII 90	....	53 49.86	+ 0.72	10	60 54 30.2	− 2.8	−30.9
ε Urs. min.	....	59 34.97	+ 11.53	6	.. ..	.. ...	......
α Aurigae U.C.	....	17 7 4.48	− 1.79	10	.. ..	.. ...	......
θ Ophiuchi..	....	14 3.73	− 0.17	11	17 19 25.9	− 2.9	−177.4
α Ophiuchi .	....	28 56.60	+ 0.58	11	54 48 46.4	− 2.1	−39.2
μ Herculis..	...	41 25.31	+ 0.95	9	69 56 58.7	− 2.4	−20.4
W.Z.LXXXII 447	....	18 30 59.25	+ 0.73	6	61 2 49.1	− 4.0	−30.9
β Lyrae	....	45 20.15	+ 1.12	10	75 21 33.2	− 3.4	−14.8

W 21.4 O 8.1
W′ 15.6 O′ 13.7

ε Urs. min. } $n = +1^s.126$
α Aurigae }

$c = +0.319$
$m = -0.762$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
16^h51^m	...″...	+ 19.°8	+ 17.°3
17 21	......	+ 19.7	+ 17.0
17 54	27.610	+ 19.1	+ 16.6
18 41	27.612	+ 19.0	+ 16.2

	m + x	Polpunkt
θ Ophiuchi..	-0^m 6.″71	42° 8′ ..″.
α Ophiuchi..	6.59	22.2
μ Herculis..	6.53	22.7
β Lyrae	6.51	21.2
um 17^h47^m	−0 6.58	42 8 22.0

Täglicher Gang: $+ 0^s.59$.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Juli 17. (♀) Beob. S. Kreis O.							
W.Z.LXXXVIII 55	....	16 38 43.71	+ 0.75	10	60 58	......	......
κ Ophiuchi..	....	51 32.89	+ 0.52	10	.. ..	......	......
ε Urs. min..	....	59 33.76	+ 12.12	6	.. ..	......	......
α Aurigae U.C.	....	17 7 4.19	− 1.87	6	.. ..	......	......
α Herculis ..	....	8 45.13	+ 0.64	10	.. ..	......	......
α Ophiuchi .	....	28 55.80	+ 0.60	10	54 48 42.1	+ 3.0	−39.0
μ Herculis .	....	41 24.87	+ 1.00	7	69 56 53.4	+ 3.0	−20.3
W. Z. LXXXIII 84	....	18 10 32.34	+ 0.75	10	61 1 40.5	+ 1.5	−30.8
W.Z.LXXXVIII 146	....	49 3.91	+ 0.75	9	60 56 34.1	+ 1.6	−30.9

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Refr.

W 15.9 O 12.1
W′ 20.3 O′ 7.5

ε Urs. min. }
α Aurigae.. } $n = + 1^s.205$

$c = + 0.319$
$m = - 0.805$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
16ʰ45ᵐ	27.″650	+21.°1	+18.°8
17 15	......	......	+18.3
17 36	27.654	+21.1	+18.2
18 41	27.657	+20.6	+17.3

	m + x	Polpunkt
ϰ Ophiuchi..	—0ᵐ 6.ˢ07	42° 8′ ...″.
α Herculis ..	5.99	....
α Ophiuchi..	5.81	23.1
μ Herculis ..	6.15	22.7
um 17ʰ18ᵐ	—0 6.01	42 8 22.9

Tägl. Gang: $+ 0^s.53$.

Juli 18. (♄) Beob. S. Kreis O.

1868	Grösse	Mittel der Fäden h m s	Corr. des Instr. s	Zahl d. Fäden	Mittel der Lesungen ° ′ ″	Libelle ″	Refr. ″
ϰ Ophiuchi..	....	16 51 32.33	+ 0.54	11	51 44 13.2	+ 2.4	—43.8
ε Urs. min. .	....	59 32.60	+ 12.72	7	.. ..	......	......
α Aurigae U.C.	....	17 7 3.76	— 1.96	8	.. ..	......	......
α Herculis .	....	8 44.53	+ 0.66	9	56 41 44.1	+ 2.1	—36.3
α Ophiuchi .	....	28 55.46	+ 0.62	8	54 48 43.2	+ 1.2	—39.0
W.Z. LXXIII 84*	....	18 10 31.79	+ 0.78	7	60 59 35.7	+ 0.6	—30.7
W. Z. LXXVII 99*	....	31 9.68	+ 0.78	7	60 57 20.1	+ 0.7	—30.8
W.Z. LXXV 56	....	49 44.28	+ 0.78	11	61 11 58.3	+ 1.0	—30.6

W 20.4 O 6.2
W′ 14.6 O′ 11.8

ε Urs. min. }
α Aurigae .. } $n = + 1^s.287$

$c = + 0.319$
$m = - 0.883$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
16ʰ47ᵐ	27.″669	+21.°3	+19.°6
17 11	......	......	+19.0
17 35	......	......	+18.6
17 56	. ....	......	+18.1
18 38	27.681	+20.9	+17.8

	m + x	Polpunkt
ϰ Ophiuchi..	—0ᵐ 5.ˢ53	42° 8′ 23.″5
α Herculis ..	5.41	22.1
α Ophiuchi..	5.50	22.3
um 17ʰ10ᵐ	—0 5.48	42 8 22.6

$F - F^* = - 1'.039$ $L - L^* = + 2'.180$
$= - 3^s.199$ $= + 129.''30$

Tägl. Gang: $+ 0^s.13$.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Juli 21. (♂) Beob. S. Kreis O.							
		h m s	s		° ′ ″	″	″
μ Herculis..	....	17 41 23.86	+ 1.04	11	65 56 53.3	+ 2.3	−20.3
γ Draconis..	....	53 37.65	+ 2.13	9	93 38 56.2	+ 2.6	+ 3.2
W. Z. LXXXVII 43	....	18 2 6.51	+ 0.78	10	60 59 49.6	+ 1.6	−30.8
51 Cephei U.C.	....	38 1.88	− 33.26	6	.. ..	......	......
β Lyrae....	....	45 18.67	+ 1.22	12	75 21 32.9	+ 0.2	−14.7
W. Z. LXXIV 56	....	49 43.69	+ 0.78	8	61 11 52.2	0.0	−30.6

W 17.8 O 9.7
W′ 22.2 O′ 5.4

Uhrzeit	Bar.	Therm. inn.	Therm. äuss.
$17^h 51^m$	. ″...	....°..	+18.°4
18 41	......	....	+17.7
18 57	27.715	+ 21.0	+17.5

51 Cephei .. } γ Draconis . } $n = + 1.286$

$c = + 0.319$
$m = - 0.624$

	$m + \alpha$	Polpunkt
μ Herculis..	$-0^m\ 5.^s21$	42° 8′ 21.″1
γ Draconis..	4.89	24.8
β Lyrae....	5.14	23.3
um $18^h\ 7^m$	−0 5.08	42 8 23.1

Tägl. Gang: + 0.ˢ13.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
September 15. (♂) Beob. S. Kreis O.							
θ Urs. maj. U.C.	....	21 24 14.91	− 1.13	8	.. ..	......	......
β Cephei ...	....	27 12.10	+ 2.46	9	.. ..	......	.....
ε Pegasi....	....	37 58.05	+ 0.06	11	51 25 58.5	− 1.6	−45.3
16 Pegasi...	....	47 19.25	+ 0.37	9	67 27 39.8	− 3.0	−23.7
α Aquarii...	....	59 16.44	− 0.11	11	41 12 26.3	− 2.9	−64.9
W. Z. CCXXI 46	....	22 7 40.86	+ 0.27	9	62 33 16.2	− 2.8	−29.6
W. Z. XXXVIII 117	....	26 35.77	+ 0.17	10	57 20 36.6	− 3.0	−36.5
W. Z. CCXXX 115	....	35 44.65	+ 0 28	7	62 54 4.7	− 2.1	−29.2
W. Z. XXXVII 41	....	46 6.67	+ 0.17	11	57 20 33.1	− 3.6	−36.6
W. Z. CCXXXIV 30	....	51 15.21	+ 0.26	9	62 13 9.3	− 4.3	−30.1
W. Z. CCXXXIV 52	....	59 58.67	+ 0.27	11	62 32 28.0	− 4.5	−29.7
γ Piscium ..	....	23 10 35.75	− 0.05	10	44 43 39.0	− 4.3	−57.6
κ Biscium ..	....	20 26.07	− 0.08	9	42 41 59.3	− 4.3	−61.8

1867	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 18.0 O 16.2
W′ 26.2 O′ 8.1

β Cephei … / θ Urs. maj. } $n = -0^s.995$

$c = -0.094$
$m = -0.463$

Tägl. Gang: — 0ˢ.64.

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
21ʰ 18ᵐ	27.″479	+14.°9	+10.°9
21 54	……	+15.1	+10.7
23 17	27.479	+14.5	+ 9.6

	m + α	Polpunkt
ε Pegasi….	—0ᵐ 13.ˢ27	42° 8′ 33.″8
16 Pegasi..	13.38	….
α Aquarii ..	13.50	34.7
γ Piscium ..	13.53	36.2
κ Piscium…	13.23	33.9
um 22ʰ 23ᵐ	—0 13.38	42 8 34.7

September 16. (☿) Beob. S. Kreis O.

		h m s		s		° ′ ″	″	″
ζ Cygni ….	….	21 7 35.60	+	0.28	10	71 50 27.1	+ 3.8	—18.8
θ Urs.maj.U.C.	….	24 15.12	—	0.43	9	.. .. ….	……	……
β Cephei …	….	27 13.52	+	1.60	10	.. .. ….	……	……
ε Pegasi….	….	37 58.83	+	0.01	11	51 25 55.6	+ 2.5	—45.3
16 Pegasi .	….	47 19.92	+	0.22	10	67 27 39.2	+ 3.1	—23.7
α Aquarii…	….	59 16.87	—	0.10	11	41 12 19.3	+ 2.9	—64.9
W. Z. CCXIX 46	….	22 7 41.79	+	0.15	10	62 33 11.5	+ 2.9	—29.6
W. Z. XXXVIII 74	….	12 45.16	+	0.09	11	57 45 22.2	+ 2.3	—35.9
W.Z. XLII 50	….	18 16.97	+	0.09	8	57 45 15.9	+ 2.2	—35.9
W. Z. XXXVIII 447	….	26 36.64	+	0.08	11	57 20 32.8	+ 3.2	—36.4
W. Z. CCXXI 415	….	35 45.61	+	0.16	10	62 54 1.0	+ 2.0	—29.2
W. Z. CCXXXVII 7	….	41 6.47	+	0.16	7	62 55 33.7	+ 2.8	—29.2
W. Z. CCXXXIV 30	….	51 15.55	+	0.15	9	62 13 5.0	+ 1.5	—30.1
W. Z. CCXXXIV 32	….	59 59.02	+	0.15	10	62 32 22.0	+ 1.8	—29.7

W 25.6 O 9.1
W′ 20.0 O′ 14.5

β Cephei / θ Urs. maj. } $n = +0.683$

$c = -0.094$
$m = -0.045$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
21ʰ 0ᵐ	27.″498	+15.°0	+11.°1
21 32	……	……	+10.9
22 4	27.502	+14.9	+10.8
22 46	……	……	+10.6
23 4	27.500	+14.8	+10.5

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

	$m + \kappa$	Polpunkt
ζ Cygni	-0^m $14.^s17$	42° 8′ 35.″2
ε Pegasi ...	14.00	34.9
16 Pegasi...	13.89	37.2
α Aquarii ..	13.95	33.4
um 21^h38^m	—0 14.00	42 8 35.2

Tägl. Gang: — 0.ˢ64.

September 23. ☿ Beob. S.

Kreis Ost

Diff. (Mttlf.-Mdz. I.) = — 0.ʳ327
Diff. (» » II.) = — 3.747

Kreis West

Diff. (Mttlf.-Mdz. I.) = — 0.ʳ250
Diff. (» » II.) = — 3.621

Kreis Ost: $c = - 0.^s125 - \rho$

Kreis West

Diff. (Mttlf.-Mdz. I.) = — 0.ʳ250
Diff. (» » II.) = — 3.621

Kreis Ost

Diff. (Mttlf.-Mdz. I) = — 0.ʳ279
Diff. (» » II.) = — 3.663

Kreis Ost: $c = - 0.^s055 - \rho$

September 24. (♃) Beob. S. Kreis O.

		h m s	s		° ′ ″	″	″
β Cephei ...	....	21 27 16.43	+ 2.02	10	.. ..	......	......
ε Pegasi....	....	38 2.24	+ 0.04	11	51 25 43.9	— 0.1	—45.1
16 Pegasi ..	....	47 23.47	+ 0.30	10	67 27 26.8	+ 0.1	—23.6
W. Z. XXVII 74	....	22 12 48.53	+ 0.13	10	57 45 14.5	+ 0.4	—35.8
W. Z. XLII 50	....	18 20.67	+ 0.13	5	57 45 5.1	+ 0.7	—35.8

Wolken.

W 25.0 O 9.4
W′ 17.0 O′ 17.5

Uhrzeit	Bar.	Therm. inn.	Therm. äuss.
21^h45^m	27.″520	+16.°0	+12.°0
22 7	......	......	+11.8
22 31	27.519	+15.7	+11.7

β Cephei, ε Pegasi } $n = + 0.^s836$

$c = - 0.094$
$m = - 0.442$

	$m + n$	Polpunkt
ε Pegasi....	-0^m $17.^s51$	42° 8′ 20.″2
16 Pegasi ..	17.61	20.6
um 21^h42^m	—0 17.56	42 8 20.4

Tägl. Gang: — 1.ˢ17.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
September 25. (♀) Beob. S. Kreis O.							
		h m s	s		° ′ ″	″	″
θ Urs.maj.U.C.	....	21 24 19.43	— 0.45	8	.. ..	......	......
β Cephei ...	....	27 18.08	+ 1.00	10	.. ..	......	......
ε Pegasi. ..	....	38 3.42	— 0.02	11	51 25 48.7	— 3.8	—44.7
16 Pegasi ..	....	47 24.62	+ 0.12	11	67 27 31.6	— 4.0	—23.4
α Aquarii...	....	59 21.75	— 0.10	9	41 12 13.1	— 3.8	—64.0
θ Aquarii...	....	22 10 13.71	— 0.17	7	33 43 46.3	— 3.1	—84.0
W. Z. XLII 50	....	18 21.69	+ 0.03	10	57 45 10.9	— 3.9	—35.5
W. Z. CCXXXVII 7	....	41 11.25	+ 0.08	6	62 55 27.9	— 4.1	—28.9
W. Z. XXXVII 41	....	46 12.16	+ 0.03	9	57 20 22.0	— 4.0	—36.2
α Pegasi ..	....	58 32.80	+ 0.02	9	56 39 9.0	— 4.1	—37.2
W. Z. CXXIV 138	....	23 20 29.02	+ 0.06	10	61 16 7.3	— 5.0	—31.0

W 16.6 O 17.2
W′ 23.0 O′ 10.6

β Cephei, θ Urs. maj. } $n = -0^s.463$

$c = -0.094$
$m = +0.195$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$21^h 32^m$	27.″458	+16.°6	+13.°8
22 3	......	......	+13.4
22 52	27.460	+16.0	+12.4
23 24	......	......	+12.0

		m + α	Polpunkt
ε Pegasi....	-0^m	18.^{s}64	42° 8′ 21.″6
16 Pegasi ..		18.59	21.4
α Aquarii ..		18.88	21.2
θ Aquarii ...		18.89	22.0
α Pegasi....		18.74	22.0
um $22^h 6^m$	—0	18.75	42 8 21.6

Tägl. Gang: — $1^s.17$

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
September 29. (♂) Beob. S. Kreis O.							
α Aquarii...	....	21 58 54.12	— 0.10	10	....	......	......
θ Aquarii...	....	22 9 46.19	— 0.20	9	33 43 42.4	— 0.7	—83.7
W. Z. XLII 50	....	14 50...	......	..	58 7 36.9	— 1.3	—34.6
W. Z. CXIV 2	....	30 2.86	+ 0.14	11	61 14 55.4	— 1.3	—30.8
W. Z. CXXVI 25	....	38 16.10	+ 0.15	11	61 47 41.8	— 0.2	—30.1
α Urs. maj. U. C.	....	55 24.19	— 1.13	12	....	......	......
γ Piscium ..	....	23 10 13.59	— 0.06	11	44 43 20.9	— 1.4	—56.6
W. Z. CXXIV 127	....	15 31.88	+ 0.14	10	60 50 16.6	— 1.9	—31.4
W. Z. CXXIV 138	....	20 1.54	+ 0.14	7	61 16 5.0	— 2.2	—30.8
γ Cephei ...	....	33 53.83	+ 2.59	8	....	......	......

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
		h m s	s		° ′ ″	″	″
W.Z. CCXXXIX 45	....	23 38 42.54	+ 0.15	8	61 50 11.0	— 1.6	—30.2
W.Z. CCXLII 24	....	46 30.15	+ 0.16	6	62 18 0.3	— 2.3	—29.6
ω Piscium ..	....	52 26.11	— 0.02	10	48 17 30.1	— 2.3	—50.0
α Andromedae	....	.. ..	....	..	70 30 40.6	— 1.7	—20.0

W 22.2 O 10.4
W′ 15.2 O′ 17.3

γ Cephei, α Urs. maj. } $n = +0^s.699$

$c = -0.094$
$m = +0.465$

Uhrzeit	Bar.	Therm. inn.	Therm. äuss.
$21^h 53^m$	27.″472	+16.°8	+14.°2
22 34	......	......	+13.8
23 2	27.468	+16.8	+13.6
23 28	......	......	+13.2
0 5	27.460	+16.8	+13.1

	m + n	Polpunkt
α Aquarii ..	$+0^m 8.^s71$	42° 8′ ..″.
θ Aquarii...	8.63	20.9
γ Piscium ..	8.64	21.4
ω Piscium ..	8.89	21.6
um $22^h 48^m$	+0 8.72	42 8 21.3

Tägl. Gang: — 0ˢ.88.

October 6. (♂) Beob. S. Kreis O.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
α Urs. maj. U.C.	....	22 55 30.66	— 1.44	10	....	......	......
α Pegasi ...	....	58 11.11	+ 0.41	11	56 39 6.3	+ 0.7	—37.6
γ Piscium ..	....	23 10 19.29	+ 0.31	10	44 43 22.8	+ 0.7	—57.6
W.Z. CXXIV 127	....	15 37.83	+ 0.45	9	60 50 20.2	+ 0.7	—32.0
ϰ Piscium ..	....	20 9.86	+ 0.29	7	42 41 45.4	— 0.1	—61.9
γ Cephei ...	....	33 59.01	+ 3.10	10	....	......	......
W.Z. CXXX 94	....	51 34.02	+ 0.45	6	60 42 53.3	+ 0.5	—32.1

W 24.6 O 10.0
W′ 16.3 O′ 18.2

γ Cephei, α Urs. maj. } $n = +0^s.420$

$c = -0.094$
$m = -0.055$

Uhrzeit	Bar.	Therm. inn.	Therm. äuss.
$22^h 27^m$	27.″800	+ 15.°8	+12.°4
23 9	......	.. ....	+ 12.1
23 57	27.791	+ 15.9	+ 11.8

	m + n	Polpunkt
α Pegasi ...	$+0^m 2.^s50$	42° 8′ 22.″6
γ Piscium ..	2.55	24.2
ϰ Piscium...	2.61	23.6
um $23^h 9^m$	+0 2.55	42 8 23.5

Täglicher Gang: — 0ˢ.44.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
October 7. (☿) Beob. S. Kreis O.							
		h m s	s		° ′ ″	″	″
W. Z. CXVI 2	....	22 30 9.14	+ 0.47	8	61 14 55.6	+ 1.5	−31.6
W. Z. CXVI.25	....	38 22.57	+ 0.47	9	61 47 47.4	+ 0.8	−30.9
α Urs. maj. U.C.	....	55 31.60	− 1.51	10	....	......	......
α Pegasi ...	....	58 11.43	+ 0.42	11	56 39 9.1	+ 1.5	−37.9
γ Piscium ..	....	23 10 19.80	+ 0.31	11	44 43 23.3	+ 1.5	−58.0
κ Piscium .	....	20 10.38	+ 0.29	10	42 41 45.3	+ 1.3	−62.3
γ Cephei ...	....	33 59.76	+ 3.26	9	....	......	......
W. Z. CCXXIII 15	....	38 49.01	+ 0.47	7	61 50	......	......
W. Z. CXXIII 38	....	42 19.51	+ 0.46	8	60 47 31.9	+ 0.6	−32.3
W. Z. CXX 94	....	51 34.96	+ 0.46	7	60 42 53.8	+ 0.6	−32.4
W. Z. CXX 106	....	55 50.43	+ 0.46	7	60 15 15.3	+ 0.4	−33.0
α Adromedae	....	0 1 34.67	+ 0.58	11	70 30 43.3	+ 1.4	−20.6
W. Z. CCXXIII 78	....	6 25.02	+ 0.48	6	62 10 20.4	+ 0.6	−30.5

W 25.2 O 10.8
W′ 18.0 O′ 18.1

γ Cephei, α Urs. maj. } $n = +0^s.457$

$c = -0.094$
$m = -0.043$

Uhrzeit	Bar.	Therm. inn.	Therm. äuss.
22h 19m	27.″689	+13.°5	+10.°3
22 50	......	.....	+ 9.8
23 26	27.694	+13.8	+ 9.6
24 12	27.649	+13.4	+ 9.0

	m + n	Polpunkt
α Pegasi ...	+0m 2.s18	42° 8′ 25.″8
γ Piscium ..	2.04	25.1
κ Piscium .	2.08	24.5
α Androm...	2.13	22.1
um 23h 22m	+0 2.11	42 8 24.4

Tägl. Gang: — 0s.44.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
October 16. (♀) Beob. S. Kreis O.							
ι Piscium..	....	23 33 16.20	+ 0.28	11	47 4 12.3	+ 2.8	−53.5
W. Z. CCXXIII 15	....	38 55.04	+ 0.25	8	61 50 8.9	+ 3.0	−30.9
γ Urs. maj. U.C.	....	46 54.98	− 0.27	11	....	......	......
W. Z. CXX 106	....	55 56.53	+ 0.25	8	60 15 11.4	+ 2.3	−33.0
α Androm...	....	0 1 41.02	+ 0.24	8	....	......	......
W.Z.CCXXIII 109	....	19 49.92	+ 0.25	5	61 43 22.5	+ 2.0	−31.1
W. Z. XXXIII 114	....	36 44.68	+ 0.26	7	58 47 10.3	+ 1.5	−35.0
ε Piscium...	....	56 12.08	+ 0.28	10	49 20 9.0	+ 1.3	−49.5

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
		h m s	s		° ′ ″	″	″
α Urs. min..	....	1 11 56.03	+ 5.12	4	....	......	......
W. Z. XLI 103	....	15 6.77	+ 0.26	8	57 15 5.5	+ 2.0	—37.1
W. Z. CXXII 76	....	19 41.09	+ 0.25	5	60 42 24.8	+ 1.8	—32.4
η Piscium ..	....	24 32.30	+ 0.26	10	56 49 3.4	+ 1.3	—37.7
ν Piscium ..	....	34	....	..	46 58 34.4	+ 1.3	—53.8

W 18.0 O 23.5

W′ 25.8 O′ 15.6

α Urs. min. } $n = -0^s.169$
γ Urs. maj. }

$c = -0.094$

$m = +0.340$

Uhrzeit	Bar.	Therm. inn.	Therm. äuss.
$23^h 24^m$	27.″522	+11.°0	+ 8.°5
0 16	27.511	+11.1	+ 8.0
0 46	......	......	+ 8.0
1 31	27.508	+11.7	+ 7.9

	m + x	Polpunkt.
ι Piscium ...	-0^m 3.^{s}93	42° 8′ 22.″1
α Androm...	3.90	....
ι Piscium...	3.60	20.1
η Piscium ..	4.03	19.6
ν Piscium ..	...	20.1
um $0^h 29^m$	—0 3.87	42 8 20.5

Tägl. Gang: — 0.^{s}79.

October 17. (♄) Beob. S. Kreis O.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
ι Piscium ...	....	23 33 17.06	+ 0.26	7	47 4 16.9	— 2.0	—53.1
W. Z. XXXVI. 151	....	36 9.23	+ 0.18	8	57 45 33.9	— 1.8	—36.1
W. Z. CCXLII 11	....	41 21.74	+ 0.21	7	62 41 48.6	— 2.3	—29.6
α Androm...	....	0 1 41.89	+ 0.14	10	70 30 45.5	— 2.0	—20.4
γ Pegasi ...	....	6 33.89	+ 0.21	11	56 36 20.0	— 2.3	—37.7
W. Z. CCXXXIX 94	....	12 54.04	+ 0.18	8	62 10 33.0	— 2.5	—30.2
W. Z. XXXIV 73	....	21 17.86	+ 0.20	8	59 18 58.1	— 2.3	—33.9
W. Z. XXXIII 126	...	42 10.32	+ 0.21	7	58 22 55.4	— 2.8	—35.2
W. Z. CXXXII 164	....	46 25.44	+ 0.18	6	61 12 11.0	— 2.9	—31.5
ε Piscium ..	....	56 13.02	+ 0.26	10	49 20 13.3	— 3.2	—49.1
α Urs. min	....	1 12 5.18	— 2.10	5	.. ..	......	......

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 24.8 O 16.2
W′ 15.0 O′ 26.0

α Urs. min., ι Piscium } $n = -0^s.345$

$c = -0.094$
$m = +0.308$

Uhrzeit	Bar.	Therm. inn.	Therm. äuss.
$23^h 25^m$	27.″509	+11.°9	+10.°0
23 55	......	.....	+ 9.7
0 25	27.492	+12.0	+ 9.9
1 7	27.491	+11.7	+ 9.6

	$m + x$	Polpunkt
ι Piscium...	$-0^m 4.^s77$	42° 8′ 22.″3
α Androm...	4.67	19.6
γ Pegasi ...	4.66	21.4
ε Piscium...	4.52	20.3
um $0^h 10^m$	−0 4.65	42 8 20.9

Tägl. Gang: — $0^s.79$.

October 23. (♀) Beob. S. Kreis O.

		h m s		s		° ′ ″	″	″
α Androm...	....	0 1 46.13	—	0.20	10	70 30 40.9	+ 1.2	—21.0
γ Pegasi ...	....	6 37.93	+	0.05	9	56 36 13.5	+ 0.5	—38.8
W. Z. CCXXXII 94	....	13 57.78	—	0 05	5	62 10 30.5	+ 0.8	- 31.1
W. Z. CCXXXIII 109	....	19 55.79	—	0.04	7	61 43 18.0	+ 0.2	—31.7
W. Z. XXXIII 114	....	36 49.56	+	0.01	7	58 47 7.8	+ 0.9	—35.7
W. Z. CXXXII 164	....	46 29.79	—	0.05	9	61 12 5 2	— 0.3	—32.4
W. Z. CXXXI 17	....	51 36.83	—	0.03	4	61 12 14 8	+ 0.1	—32.4
ε Piscium ..	....	56	.....	......	..	49 17 6.7	— 0.3	—50.5
α Urs. min..	....	1 12 35.21	—	28.62	4	....	....	......
W. Z. CCXLIII 31	....	30 8.33	—	0.05	7	62 10 35.8	0.0	—31.1
ν Piscium...	....	34 45.14	+	0.21	9	46 58 33.2	0.0	—54.9
β Arietis ...	....	47 33.31	—	0.05	10	62 18 43.0	+ 1.3	—31.0

W 15.2 O 30.6
W′ 24.3 O′ 21.3

α Urs. min., ν Piscium } $n = -0^s.989$

$c = -0.094$
$m = +0.701$

Uhrzeit	Bar.	Therm. inn.	Therm. äuss.
$0^h 24^m$	27.″612	+ 8.°0	+ 4.°7
1 21	......	......	+ 4.2
1 52	27.605	+ 8.0	+ 4.0

	$m + x$	Polpunkt
α Androm...	$-0^m 8.^s60$	42° 8′ 16.″9
γ Pegasi ...	8.57	16.3
ε Piscium ..	....	15.1
ν Piscium...	8.48	16.6
β Arietis ...	8.78	16.3
um $1^h 23^m$	−0 8.61	42 8 16.2

Tägl. Gang: — $0^s.72$.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
October 24. (♄) Beob. S. Kreis O.							
		h m s	s		° ′ ″	″	″
α Androm...	....	0 1 46.96	− 0.25	13	70 30 43.8	− 1.3	−20.9
γ Pegasi ...	....	6 38.70	+ 0.03	9	56 36 18.8	− 1.6	−38.5
W. Z. CCXXXIX 94	....	13	....	..	62 10 33.9	− 1.7	−30.9
W. Z. CCXLIII 5	....	32 54.67	− 0.07	7	61 47 13.0	− 2.3	−31.4
W. Z. XXXIV 133	....	50 22.90	− 0.03	9	59 42 8.1	− 2.1	−34.2
ε Piscium...	....	56 17.82	+ 0.17	8	49 20 10.2	− 2.3	−50.2
W. Z. CXXII 43	....	1 2 58.42	− 0.06	11	61 6 21.6	− 2.0	−32.3
α Urs. min.	....	12 38.97	− 31.84	5	.. ..	......	......
η Piscium ..	....	24 37.93	+ 0.02	9	56 49 4.8	− 2.0	−38.2
W. Z. CCXLIII 31	....	30 8.90	− 0.08	4	62 10 42.8	− 2.6	−30.9
ν Piscium ..	....	34 45.89	+ 0.21	9	46 58 35.1	− 2.0	−54.5
W. Z. CXXV 29	....	49 14.13	− 0.07	8	61 14 9.1	− 3.7	−32.2

W 17.4 O 27.6
W′ 23.7 O′ 21.2

α Urs. min. }
ν Piscium } $n = -1^s.067$

$c = -0.094$
$m = +0.953$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
23h 56m	27.″539	+ 8.°3	+ 5.°4
0 28	......	......	+ 5.3
1 14	27.529	+ 8.0	+ 5.2
1 53	27.509	+ 7.9	+ 5.0

	$m + n$	Polpunkt
α Androm...	−0m 9.s38	42° 8′ 17.″3
γ Pegasi ...	9.32	19.8
ε Piscium ..	9.22	16.9
η Piscium ..	9.38	16.8
ν Piscium ..	9.23	16.9
um 0h 49m	−0 9.31	42 8 17.5

Tägl. Gang: — 0s.72.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
October 29. (♃) Beob. S.							
α Urs. min. U.C. K.O.	....	13 11 17.69	.. ....	6	.. ..	......	......
α Urs. min. U.C. K.W.	....	13 10 45.48	.. ....	5	.. ..	......	......

Kreis Ost: $c = + 0^s.308 - \rho$.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
October 30. (♀) Beob. S. Kreis W.							
		h m s	s		° ′ ″	″	″
ζ Pegasi ...	....	22 35 10.41	— 0.65	9	38 23 48.6	— 3.2	+45.6
α Urs.maj.U.C	....	55 43.39	+ 4.11	10	.. ..	......	......
α Pegasi ...	....	58 29.04	— 0.80	10	34 2 45.2	— 3.8	+38.8
W. Z. CXXIV 138	....	23 20 25.53	— 0.96	2	29 26	......	......
W. Z. CCXXXII 15	....	39 7.00	— 0.98	7	28 51 38.5	— 3.2	+31.7
ω Piscium..	....	52 49.81	— 0.41	6	.. ..	......	......
α Androm...	....	0 1 52.88	— 1.32	11	20 11 5.3	— 3.8	+21.1
α Urs. min..	....	1 13 37.33	— 86.70	3	.. ..	......	......

W 10.2 O 36.0
W′ 21.8 O′ 24.5

α Urs. min.
α Urs. maj. } $n = -1^s.779$

$c = -0.321$
$m = +1.059$

Uhrzeit	Bar.	Therm. inn.	Therm. äuss.
22h 25m	27.″717	+ 6.°6	+ 4.°6
23 9	......	......	+ 4.7
0 9	27.713	+ 6.3	+ 4.7

	m + x	Polpunkt
ζ Pegasi ...	—0m 14.s36	48° 33′ 28.′6
α Pegasi ...	14.43	28.1
ω Piscium ..	14.51	....
α Androm...	14.26	27.7
um 23h 22m	—0 14.39	48 33 28.1

Täglicher Gang: — 1s.01.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
November 2. (☾) Beob. S. Kreis W.							
W. Z. XLII 50.	....	22 18 20.86	— 0.74	9	32 56 40.2	— 2.8	+36.4
W. Z. CXXVI 25	....	38 43.00	— 0.86	6	28 54 4.5	— 0.6	+30.6
W. Z. CCXXXIV 30	....	51 19.87	— 0.87	9	28 28 53.0	— 1.9	+30.5
α Pegasi ...	....	58 32.13	— 0.71	10	34 2 42.0	— 1.3	+38.0
γ Piscium ..	....	23 10 39.89	— 0.39	11	45 58 33.1	— 3.0	+58.2
W. Z. CXXIV 138	....	20 28.40	— 0.85	10	29 25 43.0	— 3.0	+31.7
ι Piscium...	....	33 30.25	— 0.45	8	43 37 37.2	— 1.5	+53.6
W. Z. XXXVII 151	....	36 23.20	— 0.74	4	32 56 20.9	— 3.0	+36.4
γ Urs. maj. U.C.	....	47 6.52	+ 2.58	10	.. ..	......	......
ω Piscium ..	....	52 52.65	— 0.48	8	42 24 21.9	— 0.9	+51.4
W. Z. CXXI 106	....	56 10.95	— 0.82	5	30 26 31.0	— 1.4	+33.0
α Androm...	....	0 1 55.73	— 1.16	10	20 11 5.6	— 1.0	+20.6
W. Z. CCXXXIX 78	....	6	....	.	28 31 28.1	— 0.4	+30.5
W. Z. XXXIV 73	....	21 31.42	— 0.79	11	31 22 53.9	— 1.1	+34.3
W. Z. CCXLIII 5	....	32	....	..	28 54 36.3	— 0.7	+31.0
α Urs. min..	....	1 13 26.33	— 73.18	4	.. ..	......	......

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 7.2 O 36.6
W' 17.4 O' 26.2

α Urs. min., γ Urs. maj. } $n = -1^s.454$

$c = -0.321$
$m = +0.376$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$22^h 10^m$	27."761	+10.°6	+ 9.°9
23 36	27.768	+11.1	+ 9.9
0 13	......	......	+ 9.9
0 41	27.764	+11.4	+10.1

	$m + n$	Polpunkt
α Pegasi ...	$-0^m\ 17.^s53$	48° 33′ ...".
γ Piscium ..	17.56	29.7
ι Piscium ...	17.37	28.7
ω Piscium ..	17.31	29.1
α Androm...	17.31	30.5
um $23^h 32^m$	−0 17.42	48 33 29.5

Tägl. Gang: — $1^s.01$.

November 10. (♂) Beob. S. Kreis W.

		h m s	s		° ′ ″	″	″
θ Aquarii...	....	22 10 19.68	— 0.01	5	.. ..	......	......
W. Z. CXXVI 25	....	38 50.94	— 1.05	4	28 54 5.5	— 0.5	+31.2
α Urs. maj. U.C.	....	55 54.25	+ 4.66	10	.. ..	......	......
γ Piscium ..	....	23 10 47.58	— 0.41	11	45 58 30.8	+ 1.0	+59.7
κ Piscium ..	....	20 38.07	— 0.42	11	48 0 7.1	+ 0.7	+63.7
W. Z. XXVII 151	....	36 30.84	— 0.89	10	32 56 19.9	— 1.3	+37.1
ω Piscium ..	....	53 0.38	— 0.54	11	42 24 20.8	+ 1.5	+52.4
α Androm...	....	0 2 3.82	— 1.49	11	20 11 4.4	— 0.7	+21.0
γ Pegasi ...	....	6 55.48	— 0.86	9	34 5 32.7	— 1.3	+38.8
W. Z. XXXIII 114	....	37 7.08	— 0.93	5	31 54 35.8	+ 0.2	+35.7
W. Z. XXXIII 126	....	42 31.84	— 0.91	6	32 18 56.4	+ 0.1	+36.3
α Urs. min..	....	1 13 56.94	— 98.54	5	.. ..	......	......

W 9.4 O 39.6
W' 19.0 O' 30.2

α Urs. min., α Urs. maj. } $n = -2^s.067$

$c = -0.321$
$m = +0.959$

Uhrzeit	Bar.	Therm. inn.	Therm. äuss.
$22^h 18^m$	27."349	+ 4.°4	+ 2.°7
22 48	......	......	+ 2.5
23 24	27.349	+ 4.1	+ 2.5
0 15	......	......	+ 2.4
0 50	27.353	+ 4.1	+ 2.0

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

	m + n	Polpunkt
γ Piscium ..	—0ᵐ25.ˢ32	48° 33′ 32.″2
κ Piscium ..	25.17	30.4
ω Piscium ..	25.05	31.3
α Androm ..	25.14	30.7
γ Pegasi	25.32	29 6
um 23ʰ56ᵐ	—0ˢ 25.20	48 33 30.8

Tägl. Gang: — 0ˢ97.

November 20. (♀) Beob. S. Kreis W.

	Grösse	Mittel der Fäden (h m s)	Corr. des Instr. (s)	Zahl d. Fäden	Mittel der Lesungen (° ′ ″)	Libelle (″)	Refr. (″)
ι Piscium...	....	23 33 46.69	— 0.52	10	.. ..	......	......
W.Z.CCXXXIX 15	....	39 26.29	— 1.12	8	28 51 33.8	+ 0.5	+32.2
γ Urs. maj.U.C.	....	47 22.81	+ 3.73	12	.. ..	......	......
ω Piscium..	....	53 9.39	— 0.56	9	42 24 16.8	+ 1.6	+53.5
α Androm...	....	0 2 12.80	— 1.60	8	20 10 59.6	+ 0.5	+21.5
γ Pegasi ...	....	7 4.05	— 0.92	11	34 5 27.5	+ 0.6	+39.6
W.Z. CXXXII 164	.. .	46 56.33	— 1.14	10	29 29 34.4	+ 2.0	+33.1
α Urs. min..	....	1 14 10.23	—107.13	3	.. ..	......	.....

W 25.8 O 27.2
W′ 14.2 O′ 38.1

α Urs. min.
γ Urs. maj. } $n = - 2^s274$

$c = - 0.321$
$m = + 1.717$

Uhrzeit		Therm. Bar.	Therm. R. äuss.
23ʰ23ᵐ	27.″811	+ 2°.0	— 1°.6
23 58	......	.. ...	— 1 .6
0 28	27.822	+ 1.0	— 1 .7
1 1	......	.. ...	— 1 .3

	m + n	Polpunkt
ι Piscium...	—0ᵐ33.ˢ92	48° 33′ ..″.
ω Piscium..	34.13	28.1
α Androm ..	34.13	28.2
γ Pegasi ...	33.98	27.1
um 23ʰ54ᵐ	—0 34.03	48 33 27.8

Tägl. Gang: — 0ˢ88

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
December 7. (C) Beob. S. Kreis W.							
		h m s	s		° ′ ″	″	″
α Urs. min. .	....	1 13 20.56	— 53.05	5	.. ..	......	......
η Piscium ..	....	25 18.56	— 0.58	10	33 34 18.5	+ 2.7	+36.5
W. Z. CXXIV 2	....	36 13.72	— 0.68	9	28 36 43.9	+ 3.0	+31.0
W. Z. CXXIV 29	....	49 55.11	— 0.67	10	29 9 9.5	+ 3.0	+31.8
α Arietis ...	....	2 0 37.92	— 0.76	8	25 24 7.2	+ 3.2	+27.1
✳ (68) 1867.	8.9	6 20.91	— 0.49	8	38 31 45.0	+ 3.5	+45.4
67 Ceti	....	11 16.68	— 0.20	6	55 15 26.9	+ 3.5	+80.2
ξ^2 Ceti....	....	22 1.90	— 0.45	11	40 22 3.6	+ 5.5	+48.5
✳ ☄ 1857 I.	....	38 34.07	— 0.41	9	3 21 13.3	+ 6.1	+ 3.3
β Urs. min. U.C.	....	51 45.37	+ 4.73	10	.. ..	......	......

W 21.0 O 25.2
W′ 32.4 O′ 13.6

α Urs. min., β Urs. min. } $n = -0^s.962$

$c = -1.321$
$m = +1.555$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$1^h 22^m$	27.″552	+ 9.°0	+ 8.°3
1 55	......	......	+ 8.0
2 16	......	......	+ 7.9
2 43	27.590	+ 9.0	+ 7.8

	m + α	Polpunkt
η Piscium ..	$-0^m 49.^s53$	48° 15′ 6.″1
α Arietis ...	49.44	5.8
67 Ceti	49.52	5.3
ξ^2 Ceti.....	49.58	8.5
um $2^h\ 0^m$	—0 49.52	48 15 6.4

Tägl. Gang: — $1^s.63$

1869

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Jänner 18. (C) Beob. S. Kreis W.							
η Tauri	....	3 42 10.30	— 1.23	11	24 51 1.3	— 3.2	+28.4
γ^1 Eridani ..	....	54 21.74	+ 0.22	9	62 24 34.5	— 2.5	+117.3
s Tauri.....	....	4 23 25.81	— 1.12	8	29 39 33.4	— 1.3	+35.1
✳ (67) 1866.	....	35 81.97	— 1.33	9	24 59 41.7	— 1.4	+28.6
ι Aurigae	.....	50 56.45	— 1.83	13	15 35 40.2	— 1.7	+17.0
δ Orionis...	....	5 27 46.42	— 0.30	10	48 56 21.2	— 3.6	+70.7
✳ (67) 1866.	....	36 31.89	— 0.94	11	33 24	......	......
✳ (67) 1866.	....	39 54.95	— 0.95	8	32 58 12.3	— 2.0	+40.0
δ Urs. min. U.C.	....	6 16 1.90	+ 43.19	6	.. ..	......	......

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 40.2 O 18.0
W′ 27.4 O′ 31.0

δ Urs. min., ι Aurigae } $n = -2^s240$

$c = -0.321$
$m = +3.115$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$3^h\ 33^m$	28.″087	− 4.°5	− 6.°8
4 43	28.089	− 4.7	− 7.0
5 17	......	......	− 6.9
5 55	28.091	− 4.9	− 7.4

	$m+n$	Polpunkt
η Tauri	$-2^m\ 26.^s85$	48° 33′ 14.″1
γ^1 Eridani ..	26.76	14.2
ε Tauri	26 19	15.1
ι Aurigae...	26.12	12.8
δ Orionis ...	26.62	....
um $4^h\ 28^m$	−2 26.51	48 33 14.1

Tägl. Gang: — 2.ˢ74.

Februar 14. (⊙) Beob. S. Kreis W.

	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Libelle	Refr.
ι Aurigae...	....	$4^h\ 52^m\ 21^s.43$	− 1.ˢ30	13	15° 35′ 30.″7	+ 5.″3	+ 16.″0
δ Orionis ...	....	5 29 11.76	− 0.31	10	48 56 10.1	+ 5.5	+ 66.1
✳ (67) 1866.	....	41 20.03	− 0.72	6	32 58 0.2	+ 6.1	+ 37.3
α Orionis...	....	51 57.82	− 0.50	9	41 9 39.2	+ 6.0	+ 50.3
δ Urs. min. U. C.	....	6 17 47.20	+ 29.26	4	.. ..	......	.....

W 33.6 O 13.2
W′ 20.2 O′ 26.5

δ Urs. min., ι Aurigae } $n = -1^s415$

$c = -0.321$
$m = +2.119$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$4^h\ 49^m$	27.″800	+ 6.°2	.. °..
5 4	......	......	+ 4.4
5 57	27.772	+ 6.9	+ 5.1

	$m+n$	Polpunkt
ι Aurigae...	$-3^m\ 52.^s01$	48° 33′ 10.″2
δ Orionis ...	52.23	12 5
α Orionis ...	52.16	12.0
um $5^h\ 24^m$	−3 52.13	48 33 11.6

Tägl. Gang: — 3.ˢ17.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Februar 17. (☿) Beob. S.							
		h m s	s		° ′ ″	″	″
αUrs.min I.W.	....	1 15 42.71	.. ....	4	.. ..	......	......
αUrs. min. I.O.	....	1 15 11.27	.. ...	5	.. ..	......	.....

Kreis West

W 33.5 O 12.4

W′ 21.8 O′ 23.0

Kreis Ost

W 25.0 O 19.6

W′ 33.9 O′ 10.4

Kreis Ost $c = +0^s.299 - \rho$

Kreis Ost.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
✳ (67) 1866.	....	5 13 23.98	+ 0.03	5	56 39	......	......
δ Orionis ...	....	29 22.20	+ 0.30	10	41 44 .. .	......	......
✳ (67) 1866.	....	38 7.30	+ 0.01	10	57 17	......	......
α Orionis ...	....	52 8.29	+ 0.15	11	49 31	......	......
W. I. LXIV 88.	....	58 1.93	— 0.03	8	59 37	......	......
ν Orionis ...	....	6 4 9.27	+ 0.02	10	56 55	......	......
W. I. LX 487 .	....	11 53.16	— 0.04	10	59 56	......	..
δUrs. min. U. C.	....	18 15.62	+ 13.00	6	.. ..	......	......
γ Geminorum	....	34 12.92	— 0.01	9	58 38	......	......
51 Cephei ..	....	42 43.58	— 16.02	4	.. ..	......	......

W 34.0 O 10.6

W′ 22.6 O′ 22.0

51 Cephei ... }
δ Urs. min.. } $n = -1^s.062$

$c = +0.286$

$m = +1.973$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$5^h\ 20^m$	27.″726	+ 9.°7	+ 7.°8
5 48	......	......	+ 7.3
6 23	27.721	+ 10.0	+ 6.8

	$m + x$
δ Orionis ...	$-4^m\ 3^s.33$
α Orionis...	3.30
ν Orionis ...	3.31
um $5^h\ 48^m$	-4 3.31

Tägl. Gang: — $3^s.85$.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

Februar 18. (♃) Beob. S. Kreis O.

		h m s	s		° ' "	"	"
✳ (67) 1866	....	5 13 27.99	+ 0.06	8	56 38 55.8	— 2.0	-38.4
δ Orionis ...	....	29 26.01	+ 0.30	11	41 44 51.3	— 2.1	—65.2
ε Orionis ...	. ..	33 40.96	+ 0.31	8	40 51 34.1	— 0 6	—67.3
✳ (22) 1867	...	40 54.45	— 0.14	11	68 25 6 6	— 0.2	—22.8
α Orionis ...	....	52 12.19	+ 0.17	10	.. ..	......	......
W. Z. LXIV 88	....	58 5.46	+ 0.01	8	59 37 14 4	— 1.7	—34.3
ν Orionis ...	...	6 4 13.11	+ 0.05	11	56 55 17.4	— 1.0	—38.1
W. Z. LXVII 1	....	12 54.90	+ 0.01	11	59 21 40.8	0.0	—34.7
δ Urs. min. U. C.	....	18 22.09	+ 10.76	4	.. ..	......	......
μ Geminor. .	....	19 9.85	— 0.07	11	64 42 56.5	— 1.5	—27.7

W 24.1 O 22 3
W' 35.6 O' 10.7

δ Urs. min., μ Gemin. } $n = -0^s.929$

$c = + 0.2^s6$

$m = + 1\ 913$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. auss.
$5^h\ 0^m$	27."554	+ 7.°7	+ 6.°2
5 45	......	......	+ 5.9
6 9	.....	......	+ 5 6
6 22	27.578	+ 8 1	+ 5.4

	m + x	Polpunkt
δ Orionis ...	$-4^m\ 7.^s15$	42° 7' 53".3
ε Orionis ...	7.03	....
α Orionis ...	7.23	....
ν Orionis ...	7.19	54.3
μ Geminor. .	7.18	53.9
um $5^h\ 52^m$	—4 7.16	42 7 53.8

Tägl. Gang: — 3ˢ.85.

4. März (♃) Beob S. Kreis O.

λ Urs. min. U. C.	....	7 58 38.95	+ 68.15	3	.. ..	....	......
ε Hydrae ...	....	8 44 54.99	+ 0.10	10	49 2 24.7	+ 5.7	—52.2
W. Z. LXVIII 180	....	9 19 14.00	— 0.05	9	59 17 33.7	+ 4.2	—35.8
θ Urs. maj. .	....	29 11.57	— 1.57	13	.. ..	....	......
W. Z. LXI 9 ..	....	34 59.48	— 0.04	10	58 59 ...	....	......
ε Leonis	....	43 30.12	— 0.40	11	66 30 46.1	+ 3.8	—26.3
π Leonis ...	....	58 22.33	+ 0.05	11	.. ..	....	....

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
		h m s	s		° ′ ″	″	″
α Urs. min..	....	1 11 56.03	+ 5.12	4	....	......	......
W.Z.XLI 103	....	15 6.77	+ 0.26	8	57 15 5.5	+ 2.0	—37.1
W. Z. CXXI 76	....	19 41.09	+ 0.25	5	60 42 24.8	+ 1.8	—32.4
η Piscium ..	....	24 32.30	+ 0.26	10	56 49 3.4	+ 1.3	—37.7
ν Piscium ..	....	34	....	..	46 58 34.4	+ 1.3	— 53.8

W 18.0 O 23.5
W′ 25.8 O′ 15.6

α Urs. min.
γ Urs. maj. } $n = -0^s.169$

$c = -0.094$
$m = +0.340$

Uhrzeit	Bar.	Therm. inn.	Therm. äuss.
23^h24^m	27.″522	+11.°0	+ 8.°5
0 16	27.511	+11.1	+ 8.0
0 46	......	......	+ 8.0
1 31	27.508	+11.7	+ 7.9

	m + x	Polpunkt.
ι Piscium ...	-0^m 3.^{s}93	42° 8′ 22.″1
α Androm...	3.90	....
ε Piscium...	3.60	20.1
η Piscium ..	4.03	19.6
ν Piscium ..	...	20.1
um 0^h29^m	—0 3.87	42 8 20.5

Tägl. Gang: — $0^s.79$.

October 17. (♄) Beob. S. Kreis O.

ι Piscium ...	....	23 33 17.06	+ 0.26	7	47 4 16.9	— 2.0	—53.1
W.Z.XXXVI.151	....	36 9.23	+ 0.18	8	57 45 33.9	— 1.8	—36.1
W. Z. CCXLII 11	....	41 21.74	+ 0.21	7	62 41 48.6	— 2.3	—29.6
α Androm...	....	0 1 41.89	+ 0.14	10	70 30 45.5	— 2.0	—20.4
γ Pegasi ..	....	6 33.89	+ 0.21	11	56 36 20.0	— 2.3	—37.7
W. Z. CCXXIII 94	....	12 54.04	+ 0.18	8	62 10 33.0	— 2.5	—30.2
W. Z. XXXIV 73	....	21 17.86	+ 0.20	8	59 18 58.1	— 2.3	—33.9
W. Z. XXXIII 126	....	42 10.32	+ 0.21	7	58 22 55.4	— 2.8	—35.2
W. Z. CXXXII 164	....	46 25.44	+ 0.18	6	61 12 11.0	— 2.9	—31.5
ε Piscium ..	....	56 13.02	+ 0.26	10	49 20 13.3	— 3.2	—49.1
α Urs. min	....	1 12 5.18	— 2.10	5	.. ..	......	......

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 24.8 O 16.2
W′ 15.0 O′ 26.0

α Urs. min. } n = − 0ˢ.345
ι Piscium }

c = − 0.094
m = + 0.308

Uhrzeit	Bar.	Therm. inn.	Therm. äuss.
23ʰ25ᵐ	27.″509	+11.°9	+10.°0
23 55	......	.....	+ 9.7
0 25	27.492	+12.0	+ 9.9
1 7	27.491	+11.7	+ 9.6

	m + x	Polpunkt
ι Piscium...	−0ᵐ 4ˢ.77	42° 8′ 22″.3
α Androm...	4.67	19.6
γ Pegasi ...	4.66	21.4
ε Piscium..	4.52	20.3
um 0ʰ10ᵐ	−0 4.65	42 8 20.9

Tägl. Gang: − 0ˢ.79.

October 23. (♀) Beob. S. Kreis O.

1868	Grösse	Mittel der Fäden (h m s)	Corr. des Instr. (s)	Zahl d. Fäden	Mittel der Lesungen (° ′ ″)	Libelle (″)	Refr. (″)
α Androm...	....	0 1 46.13	− 0.20	10	70 30 40.9	+ 1.2	−21.0
γ Pegasi ...	....	6 37.93	+ 0.05	9	56 36 13.5	+ 0.5	−38.8
W. Z. CCXXIII 94	....	13 57.78	− 0.05	5	62 10 30.5	+ 0.8	−31.1
W. Z. CCXXIII 109	....	19 55.79	− 0.04	7	61 43 18.0	+ 0.2	−31.7
W. Z. XXXIII 114	....	36 49.56	+ 0.01	7	58 47 7.8	+ 0.9	−35.7
W. Z. CXXXII 164	....	46 29.79	− 0.05	9	61 12 5.2	− 0.3	−32.4
W. Z. CXXI 17	....	51 36.83	− 0.03	4	61 12 14.8	+ 0.1	−32.4
ε Piscium ..	....	56	....	..	49 17 6.7	− 0.3	−50.5
α Urs. min..	....	1 12 35.21	− 28.62	4	....	....	......
W. Z. CCXLIII 31	....	30 8.33	− 0.05	7	62 10 35.8	0.0	−31.1
ν Piscium...	....	34 45.14	+ 0.21	9	46 58 33.2	0.0	−54.9
β Arietis ...	....	47 33.31	− 0.05	10	62 18 43.0	+ 1.3	−31.0

W 15.2 O 30.6
W′ 24.3 O′ 21.3

α Urs. min. } n = − 0ˢ.989
ν Piscium }

c = − 0.094
m = + 0.701

Uhrzeit	Bar.	Therm. inn.	Therm. äuss.
0ʰ24ᵐ	27.″612	+ 8.°0	+ 4.°7
1 21	......	......	+ 4.2
1 52	27.605	+ 8.0	+ 4.0

	m + x	Polpunkt
α Androm...	−0ᵐ 8ˢ.60	42° 8′ 16″.9
γ Pegasi ...	8.57	16.3
ε Piscium ..	....	15.1
ν Piscium...	8.48	16.6
β Arietis ...	8.78	16.3
um 1ʰ23ᵐ	−0 8.61	42 8 16.2

Tägl. Gang: − 0ˢ.72.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
October 24. (♄) Beob. S. Kreis O.							
		h m s	s		° ′ ″	″	″
α Androm...	....	0 1 46.96	— 0.25	13	70 30 43.8	— 1.3	—20.9
γ Pegasi ...	....	6 38.70	+ 0.03	9	56 36 18.8	— 1.6	—38.5
W. Z. CCXXXIX 94	....	13	....	..	62 10 33.9	— 1.7	—30.9
W. Z. CCXLIII 5	....	32 54.67	— 0.07	7	61 47 13.0	— 2.3	—31.4
W. Z. XXXIV 133	....	50 22.90	— 0.03	9	59 42 8.1	— 2.1	—34.2
ε Piscium...	....	56 17.82	+ 0.17	8	49 20 10.2	— 2.3	—50.2
W. Z. CXXII 43	....	1 2 58 42	— 0.06	11	61 6 21.6	— 2.0	—32.3
α Urs. min.	....	12 38.97	— 31.84	5	.. ..	......	......
η Piscium ..	....	24 37.93	+ 0.02	9	56 49 4.8	— 2.0	—38.2
W. Z. CCXLIII 31	....	30 8.90	— 0.08	4	62 10 42.8	— 2.6	—30.9
ν Piscium ..	....	34 45.89	+ 0.21	9	46 58 35.1	— 2.0	—54.5
W. Z. CXXV 29	....	49 14.13	— 0.07	8	61 14 9.1	— 3.7	—32.2

W 17.4 O 27 6
W′ 23.7 O′ 21.2

α Urs. min., ν Piscium } $n = -1^s067$

$c = -0.094$
$m = +0.953$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
23^h56^m	27.″539	+ 8.°3	+ 5.°4
0 28	......	......	+ 5.3
1 14	27.529	+ 8.0	+ 5.2
1 53	27.509	+ 7.9	+ 5.0

	$m + {}^r n$	Polpunkt
α Androm...	-0^m 9.^{s}38	42° 8′ 17.″3
γ Pegasi ...	9.32	19.8
ε Piscium ..	9.22	16.9
η Piscium ..	9.38	16.8
ν Piscium ..	9.23	16.9
um 0^h49^m	—0 9.31	42 8 17.5

Tägl. Gang: — 0^{s}72.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
October 29. (♃) Beob. S.							
α Urs. min. U.C.K.O.	....	13 11 17.69	.. ....	6	.. ..	......	......
α Urs. min. U.C.K.W.	....	13 10 45.48	.. ....	5	.. ..	......	......

Kreis Ost: $c = +0^s308 - \rho$.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
October 30. (♀) Beob. S. Kreis W.							
		h m s	s		° ′ ″	″	″
ζ Pegasi ...	....	22 35 10.41	— 0.65	9	38 23 48.6	— 3.2	+ 45.6
α Urs. maj. U. C	....	55 43.39	+ 4.11	10	.. ..	......	......
α Pegasi ...	....	58 29.04	— 0.80	10	34 2 45.2	— 3.8	+ 38.8
W. Z. CXXIV 138	....	23 20 25.53	— 0.96	2	29 26	......	......
W. Z. CCXXXIX 15	....	39 7.00	— 0.98	7	28 51 38.5	— 3.2	+ 31.7
ω Piscium ..	....	52 49.81	— 0.41	6	.. ..	......	......
α Androm...	....	0 1 52.88	— 1.32	11	20 11 5.3	— 3.8	+ 21.1
α Urs. min..	....	1 13 37.33	— 86.70	3	.. ..	......	......

W 10.2 O 36.0
W′ 21.8 O′ 24.5

Uhrzeit	Bar.	Therm. inn.	Therm. äuss.
22h 25m	27.″717	+ 6.°6	+ 4.°6
23 9	......	......	+ 4.7
0 9	27.713	+ 6.3	+ 4.7

α Urs. min. / α Urs. maj. } $n = -1^s.779$

$c = -0.321$
$m = +1.059$

	m + x	Polpunkt
ζ Pegasi ...	—0m 14.s36	48° 33′ 28.′6
α Pegasi ...	14.43	28.1
ω Piscium ..	14.51	....
α Androm...	14.26	27.7
um 23h 22m	—0 14.39	48 33 28.1

Täglicher Gang: — 1s.01.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
November 2. (☾) Beob. S. Kreis W.							
W. Z. XLII 50.	....	22 18 20.86	— 0.74	9	32 56 40.2	— 2.8	+ 36.4
W. Z. CXXVI 25	....	38 43.00	— 0.86	6	28 54 4.5	— 0.6	+ 30.6
W. Z. CCXXXIV 30	....	51 19.87	— 0.87	9	28 28 53.0	— 1.9	+ 30.5
α Pegasi ...	....	58 32.13	— 0.71	10	34 2 42.0	— 1.3	+ 38.0
γ Piscium ..	....	23 10 39.89	— 0.39	11	45 58 33.1	— 3.0	+ 58.2
W. Z. CXXIV 138	....	20 28.40	— 0.85	10	29 25 43.0	— 3.0	+ 31.7
ι Piscium...	....	33 30.25	— 0.45	8	43 37 37.2	— 1.5	+ 53.6
W. Z. XXXVII 151	....	36 23.20	— 0.74	4	32 56 20.9	— 3.0	+ 36.4
γ Urs. maj. U. C.	....	47 6.52	+ 2.58	10	.. ..	......	......
ω Piscium ..	....	52 52.65	— 0.48	8	42 24 21.9	— 0.9	+ 51.4
W. Z. CXXI 106	....	56 10.95	— 0.82	5	30 26 31.0	— 1.4	+ 33.0
α Androm...	....	0 1 55.73	— 1.16	10	20 11 5.6	— 1.0	+ 20.6
W. Z. CCXXXIX 78	....	6	....	.	28 31 28.1	— 0.4	+ 30.5
W. Z. XXXIV 73	....	21 31.42	— 0.79	11	31 22 53.9	— 1.1	+ 34.3
W. Z. CCXLIII 5	....	32	....	..	28 54 36.3	— 0.7	+ 31.0
α Urs. min..	....	1 13 26.33	— 73.18	4	.. ..	......	......

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 7.2 O 36.6
W′ 17.4 O′ 26.2

α Urs. min.
γ Urs. maj. } $n = -1^s.454$

$c = -0.321$
$m = +0.376$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$22^h 10^m$	27.″761	+10.°6	+ 9.°9
23 36	27.768	+11.1	+ 9.9
0 13	......	......	+ 9.9
0 41	27.764	+11.4	+10.1

	$m + x$	Polpunkt
α Pegasi ...	-0^m 17.^{s}53	48° 33′ ...″.
γ Piscium ..	17.56	29.7
ι Piscium ...	17.37	28.7
ω Piscium ..	17.31	29.1
α Androm. ..	17.31	30.5
um $23^h 32^m$	-0 17.42	48 33 29.5

Tägl. Gang: — 1.^{s}01.

November 10. (♂) Beob. S. Kreis W.

		h m s	s		° ′ ″	″	″
θ Aquarii ...	....	22 10 19.68	— 0.01	5	.. ..	......	......
W. Z. CXVI 25	....	38 50.94	— 1.05	4	28 54 5.5	— 0.5	+31.2
α Urs. maj. U.C.	....	55 54.25	+ 4.66	10	.. ..	......	......
γ Piscium ..	....	23 10 47.58	— 0.41	11	45 58 30.8	+ 1.0	+59.7
κ Piscium ..	....	20 38.07	— 0.42	11	48 0 7.1	+ 0.7	+63.7
W. Z. XXVII 151	....	36 30.84	— 0.89	10	32 56 19.9	— 1.3	+37.1
ω Piscium ..	....	53 0.38	— 0.54	11	42 24 20.8	+ 1.5	+52.4
α Androm. ..	....	0 2 3.82	— 1.49	11	20 11 4.4	— 0.7	+21.0
γ Pegasi ...	....	6 55.48	— 0.86	9	34 5 32.7	— 1.3	+38.8
W. Z. XXXIII 114	....	37 7.08	— 0.93	5	31 54 35.8	+ 0.2	+35.7
W. Z. XXXIII 126	....	42 31.84	— 0.91	6	32 18 56.4	+ 0.1	+36.3
α Urs. min. .	....	1 13 56.94	— 98.54	5	.. ..	......	......

W 9.4 O 39.6
W′ 19.0 O′ 30.2

α Urs. min.
α Urs. maj. } $n = -2^s.067$

$c = -0.321$
$m = +0.959$

Uhrzeit	Bar.	Therm. inn.	Therm. äuss.
$22^h 18^m$	27.″349	+ 4.°4	+ 2.°7
22 48	......	......	+ 2.5
23 24	27.349	+ 4.1	+ 2.5
0 15	......	......	+ 2.4
0 50	27.353	+ 4.1	+ 2.0

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

	$m+n$	Polpunkt
γ Piscium ..	—0^m 25.^s 32	48° 33′ 32.″2
κ Piscium ..	25.17	30.4
ω Piscium ..	25.05	31.3
α Androm ..	25.14	30.7
γ Pegasi....	25.32	29.6
um 23^h 56^m	—0 25.20	48 33 30.8

Tägl. Gang: — 0.^s 97.

November 20. (♀) Beob. S. Kreis W.

1868	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Libelle	Refr.
		h m s	s		° ′ ″	″	″
ι Piscium...	....	23 33 46.69	— 0.52	10	.. ..	......	......
W.Z.CCXXIII 15	....	39 26.29	— 1.12	8	28 51 33.8	+ 0.5	+32.2
γ Urs. maj. U.C.	....	47 22.81	+ 3.73	12	.. ..	......	......
ω Piscium..	....	53 9.39	— 0.56	9	42 24 16.8	+ 1.6	+53.5
α Androm...	....	0 2 12.80	— 1.60	8	20 10 59.6	+ 0.5	+21.5
γ Pegasi ...	....	7 4.05	— 0.92	11	34 5 27.5	+ 0.6	+39.6
W.Z. CXXIII 164	.. .	46 56.33	— 1.14	10	29 29 34.4	+ 2.0	+33.1
α Urs. min..	....	1 14 10.23	—107.13	3	.. ..	......	.....

W 25.8 O 27.2
W′ 14.2 O′ 38.1

α Urs. min. } γ Urs. maj. } $n = -2.^s274$

$c = -0.321$
$m = +1.717$

Uhrzeit		Bar.	Therm. R. äuss.
23^h 23^m	27.″811	+ 2°.0	— 1°.6
23 58	......	.. ...	— 1.6
0 28	27.822	+ 1.0	— 1.7
1 1	......	.. ...	— 1.3

	$m+n$	Polpunkt
ι Piscium...	—0^m 33.^s 92	48° 33′ ...″.
ω Piscium..	34.13	28.1
α Androm ..	34.13	28.2
γ Pegasi ...	33.98	27.1
um 23^h 54^m	—0 34.03	48 33 27.8

Tägl. Gang: — 0.^s 88

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
December 7. (C) Beob. S. Kreis W.							
		h m s	s		° ′ ″	″	″
α Urs. min. .	....	1 13 20.56	— 53.05	5	.. ..	......	......
η Piscium ..	....	25 18.56	— 0.58	10	33 34 18.5	+ 2.7	+36.5
W. Z. CXXXV 2	....	36 13.72	— 0.68	9	28 36 43.9	+ 3.0	+31.0
W. Z. CXXXV 29	....	49 55.11	— 0.67	10	29 9 9.5	+ 3.0	+31.8
α Arietis ...	....	2 0 37.92	— 0.76	8	25 24 7.2	+ 3.2	+27.1
✳ ◉ 1867.	8.9	6 20.91	— 0.49	8	38 31 45.0	+ 3.5	+45.4
67 Ceti	....	11 16.68	— 0.20	6	55 15 26.9	+ 3.5	+80.2
ξ^2 Ceti....	....	22 1.90	— 0.45	11	40 22 3.6	+ 5.5	+48.5
✳ ☄ 1857 I.	....	38 34.07	— 0.41	9	3 21 13.3	+ 6.1	+ 3.3
β Urs. min. U.C.	....	51 45.37	+ 4.73	10	.. ..	......	......

W 21.0 O 25.2
W′ 32 4 O′ 13.6

	Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
	$1^h 22^m$	27.″552	+ 9.°0	+ 8.°3
	1 55	......	......	+ 8.0
	2 16	......	......	+ 7.9
	2 43	27.590	+ 9.0	+ 7.8

α Urs. min.
β Urs. min. } $n = -0.^s962$

$c = -1.321$
$m = +1.555$

	m + n	Polpunkt
η Piscium ..	$-0^m 49.^s53$	48° 15′ 6.″1
α Arietis ...	49.44	5.8
67 Ceti	49.52	5.3
ξ^2 Ceti.....	49.58	8.5
um $2^h 0^m$	—0 49.52	48 15 6.4

Tägl. Gang: — $1.^s63$

1869

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Jänner 18. (C) Beob. S. Kreis W.							
η Tauri	....	3 42 10.30	— 1.23	11	24 51 1.3	— 3.2	+28.4
γ^1 Eridani ..	....	54 21.74	+ 0.22	9	62 24 34.5	— 2.5	+117.3
s Tauri.....	....	4 23 25.81	— 1.12	8	29 39 33.4	— 1.3	+35.1
✳ (67) 1866.	....	35 81.97	— 1.33	9	24 59 41.7	— 1.4	+28.6
ι Aurigae ...	....	50 56.45	— 1.83	13	15 35 40.2	— 1.7	+17.0
δ Orionis...	....	5 27 46.42	— 0.30	10	48 56 21.2	— 3.6	+70.7
✳ (67) 1866.	....	36 31.89	— 0.94	11	33 24	......	......
✳ (67) 1866.	....	39 54.95	— 0.95	8	32 58 12.3	— 2.0	+40.0
δ Urs. min. U. C.	....	6 16 1.90	+ 43.19	6	.. ..	......	......

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 40.2 O 18.0
W' 27.4 O' 31.0

δ Urs. min., ι Aurigae } $n = -2^s240$

$c = -0.321$
$m = +3.115$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$3^h\ 33^m$	28."087	— 4.°5	— 6.°8
4 43	28.089	— 4.7	— 7.0
5 17	......	......	— 6.9
5 55	28.091	— 4.9	— 7.4

	$m + \alpha$	Polpunkt
η Tauri	$-2^m\ 26.^s85$	48° 33′ 14."1
γ¹ Eridani ..	26.76	14.2
ε Tauri	26 19	15.1
ι Aurigae...	26.12	12.8
δ Orionis ...	26.62	....
um $4^h\ 28^m$	—2 26.51	48 33 14.1

Tägl. Gang: — 2ˢ74.

Februar 14. (◎) Beob. S. Kreis W.

		h m s	s		° ′ ″	″	″
ι Aurigae...	....	4 52 21.43	— 1.30	13	15 35 30.7	+ 5.3	+16.0
δ Orionis ...	....	5 29 11.76	— 0.31	10	48 56 10.1	+ 5.5	+66.1
✳ ⑥⑦ 1866.	....	41 20.03	— 0.72	6	32 58 0.2	+ 6.1	+37.3
α Orionis...	....	51 57.82	— 0.50	9	41 9 39.2	+ 6.0	+50.3
δ Urs. min. U. C.	....	6 17 47.20	+ 29.26	4	.. ..	......	.....

W 33.6 O 13.2
W' 20.2 O' 26.5

δ Urs. min., ι Aurigae } $n = -1^s415$

$c = -0.321$
$m = +2.119$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$4^h\ 49^m$	27."800	+ 6.°2	.. °..
5 4	......	......	+ 4.4
5 57	27.772	+ 6.9	+ 5.1

	$m + \alpha$	Polpunkt
ι Aurigae...	$-3^m\ 52.^s01$	48° 33′ 10."2
δ Orionis ...	52.23	12 5
α Orionis ...	52.16	12.0
um $5^h\ 24^m$	—3 52.13	48 33 11.6

Tägl. Gang: — 3ˢ17.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Februar 17. (☿) Beob. S.							
		h m s	s		° ′ ″	″	″
αUrs.min. I.W.	....	1 15 42.71	.. ....	4	.. ..	......	......
αUrs.min. I.O.	....	1 15 11.27	.. ...	5	.. ..	......	.....

Kreis West

W 33.5 O 12.4

W′ 21.8 O′ 23.0

Kreis Ost

W 25.0 O 19.6

W′ 33.9 O′ 10.4

Kreis Ost $c = + 0^s.299 - \rho$

Kreis Ost.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Libelle	Refr.
✳ (67) 1866.	....	5 13 23.98	+ 0.03	5	56 39	......	......
δ Orionis ...	....	29 22.20	+ 0.30	10	41 44 .. .	......	......
✳ (67) 1866.	....	38 7.30	+ 0.01	10	57 17	......	......
α Orionis ...	....	52 8.29	+ 0.15	11	49 31	......	......
W. I. LXIV 88.	....	58 1.93	— 0.03	8	59 37	......	......
ν Orionis ...	....	6 4 9.27	+ 0.02	10	56 55	......	......
W. I. LX 487 .	....	11 53.16	— 0.04	10	59 56	......	... ..
δUrs.min. U.C.	....	18 15.62	+ 13.00	6	.. ..	......	......
γ Geminorum	....	34 12.92	— 0.01	9	58 38	......	......
51 Cephei ..	....	42 43.58	— 16.02	4	.. ..	......	......

W 34.0 O 10.6

W′ 22.6 O′ 22.0

51 Cephei ... }
δ Urs. min.. } $n = -1^s.062$

$c = + 0.286$

$m = + 1.973$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$5^h\ 20^m$	27.″726	+ 9.°7	+ 7.°8
5 48	......	......	+ 7.3
6 23	27.721	+ 10.0	+ 6.8

	$m + n$
δ Orionis ...	$-4^m\ 3^s.33$
α Orionis...	3.30
ν Orionis ...	3.31
um $5^h\ 48^m$	$-4\ \ 3.31$

Tägl. Gang: — $3^s.85$.

Februar 18. (♃) Beob. S. Kreis O.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
		h m s	s		° ′ ″	″	″
✳ (67) 1866	....	5 13 27.99	+ 0.06	8	56 38 55.8	— 2.0	−38.4
δ Orionis	....	29 26.01	+ 0.30	11	41 44 51.3	— 2.1	−65.2
ε Orionis	....	33 40.96	+ 0.31	8	40 51 34.1	— 0.6	−67.3
✳ (22) 1867	...	40 54.45	— 0.14	11	68 25 6.6	— 0.2	−22.8
α Orionis	....	52 12.19	+ 0.17	10	.. ..	......	......
W. L. LXIV 88	....	58 5.46	+ 0.01	8	59 37 14.4	— 1.7	−34.3
ν Orionis	...	6 4 13.11	+ 0.05	11	56 55 17.4	— 1.0	−38.1
W. L. LXVII 1	....	12 54.90	+ 0.01	11	59 21 40.8	0.0	−34.7
δ Urs. min. U. C.	....	18 22.09	+ 10.76	4	.. ..	......	......
μ Geminor.	....	19 9.85	— 0.07	11	64 42 56.5	— 1.5	−27.7

W 24.1 O 22.3
W′ 35.6 O′ 10.7

δ Urs. min., μ Gemin. } $n = -0^s.929$

$c = +0.286$

$m = +1.913$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
5h 0m	27.″554	+ 7.°7	+ 6.°2
5 45	......	......	+ 5.9
6 9	.....	......	+ 5.6
6 22	27.578	+ 8.1	+ 5.4

	m + n	Polpunkt
δ Orionis	−4m 7.s15	42° 7′ 53″.3
ε Orionis	7.03	....
α Orionis	7.23	....
ν Orionis	7.19	54.3
μ Geminor.	7.18	53.9
um 5h 52m	−4 7.16	42 7 53.8

Tägl. Gang: — 3s.85.

4. März (♃) Beob S. Kreis O.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
λ Urs. min. U C.	....	7 58 38.95	+ 68.15	3	.. ..	......	......
ε Hydrae	....	8 44 54.99	+ 0.10	10	49 2 24.7	+ 5.7	−52.2
W. L. LXVIII 180	....	9 19 14.00	— 0.05	9	59 17 33.7	+ 4.2	−35.8
θ Urs. maj.	....	29 11.57	— 1.57	13	.. ..	......	......
W. L. LXI 9	....	34 59.48	— 0.04	10	58 59 ...	......	......
ε Leonis	....	43 30.12	— 0.40	11	66 30 46.1	+ 3.8	−26.3
κ Leonis	....	58 22.33	+ 0.05	11	.. ..	......	......

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 37.0 O 15.7
W′ 26.2 O′ 26.4

λ Urs. min. }
θ Urs. maj. } $n = -1^s.583$

$c = +0.286$
$m = +2.461$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$8^h 37^m$	27.″549	+1.°2	−1.°0
9 6	......	.....	−1.2
9 50	27.552	+0.7	−1.4

		$m+n$	Polpunkt
ε Hydrae...	-5^m	$4^s.00$	42° 7′ 57″.0
θ Urs. maj..		4.00	....
ε Leonis ...		4.10	57.3
κ Leonis ...		4.05	....
um $9^h 31^m$	−5	4.04	42 7 57.1

Tägl. Gang: $-3^s.98$

März 5. (♀) Beob. S. Kreis O.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Libelle	Refr.
		h m s	s		° ′ ″	″	″
W. I. LXIII 3 .	....	7 42 17.87	− 0.13	11	59 27 23.6	− 3.8	−35.4
W. I. LXV 44 .	....	48 14.00	− 0.13	11	59 20 54.7	− 3.2	−35.5
λ Urs. min. U. C.	....	58 37.02	+ 74.45	2	.. ..	.....	......
W. I LXIX 82 .	....	59 10.70	− 0.11	10	58 57 19.0	− 3.8	−36.1
η Cancri ...	....	8 30 16.59	− 0.25	11	63 1 26.5	− 3.5	−30.6
ε Hydrae...	....	44 58.80	+ 0.20	11	49 2 33.4	− 4.2	−52.0
ι Urs. maj. .	....	55 23.50	− 1.44	11	.. ..	.....	......
83 Cancri...	....	9 16 48.96	− 0.16	10	60 23 58.6	− 4.0	−34.1
α Hydrae...	....	26 17.33	+ 0.68	11	.. ..	.....	......
W. I. LXX 9 ..	....	35 3.31	− 0.11	9	58 57 17.4	− 4.5	−36.1
ε Leonis...	....	43 33.91	− 0.37	9	.. ..	.....	......

W 26.4 O 26.6
W′ 36.2 O′ 16.8

λ Urs. min. }
ι Urs. maj. } $n = -1^s.830$

$c = +0.286$
$m = +2.738$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$7^h 37^m$	27.″422	+ 1.°6	− 0.°9
8 12	......	......	− 1.0
8 49	......	......	− 1.2
9 22	......	......	− 1.4
9 40	27.377	+ 1.1	− 1.4

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

	m + s	Polpunkt
η Cancri ...	—5m 7.s80	42° 7′ 57″.4
ε Hydrae ...	7.92	56.0
83 Cancri ..	8.0-	56.5
α Hydrae...	8.03	....
ε Leonis ...	7.92	....
um 9h 8m	—5 7.94	42 7 56 6

Tägl. Gang: — 3.s98.

März 17. (☿) Beob. S. Kreis W.

1869	Grösse	Mittel der Fäden h m s	Corr. des Instr. s	Zahl d. Fäden	Mittel der Lesungen ° ′ ″	Libelle ″	Refr. ″
λ Urs. min. U. C.	....	7 53 21.23	+102.74	3	.. ..	......	......
W. Z. LXIX 445.	....	8 4 34 07	— 0.93	7	31 37 28.0	+ 2.9	+34.5
η Cancri ...	....	25 19 42	— 1.05	11	27 39 44.5	+ 1.6	+29.4
ε Hydrae ...	....	40 1.45	— 0.63	10	41 38 38.0	+ 4.6	+50.0
ι Urs. maj. .	....	50 26 65	— 2 37	12	359 59 54 4	+ 2.8	— 0.3

W 13.5 O 35.4
W′ 26.3 O′ 22.4

λ Urs. min.
η Cancri } $n = -1.^s506$

$c = -0.445$
$m = +1.096$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
8h 13m	27.″191	+ 6.°6	+ 6.°1
8 56	27.201	+ 6.2	+ 5.2

	m + s	Polpunkt
η Cancri ...	— 0m 9.s98	48° 33′ 11.″1
ε Hydrae ...	9.86	....
ι Urs. maj. .	9.91	10.8
um 8h 29m	— 0 9.92	48 33 11.0

Tägl. Gang: — 1.s06.

April 6. (♂) Beob. S. Kreis W.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Libelle	Refr.
l Leonis ...	....	10 42 56 33	— 0.62	9	37 18 27.4	— 0.6	+43.5
✳ Ⓗ 1855.	....	54 55.05	— 0.46	11	47 47 25 9	-- 1.5	+62.9
Anonyma ..	....	11 6 2.12	— 0.45	9	48 20	....	......
γ Cephei U. C.	....	34 22.71	+ 5.73	12	.. ..	......	......
β Leonis ...	....	42 56.54	— 0.70	9	33 14 31.5	— 0.6	+37.4
γ Urs maj. .	....	47 31.53	— 2.00	10	.. ..	......	......
η Virginis ..	....	12 13 46.32	— 0.45	11	48 28 40.9	+ 0.4	+64 6

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 16.7 O 27.8
W′ 27.0 O′ 17.4

γ Cephei, γ Urs. maj: $n = -0^s.878$

$c = -0.445$
$m = +0.933$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
10^{h}40^m	27″.802	+ 9°.3	+ 7°.8
11 10	......	......	+ 7.6
11 52	......	......	+ 7.4
12 31	27.801	+ 9.2	+ 7.3

	m + n	Polpunkt
1 Leonis	—0^m 32.^{s}64	48° 33′ 18″.9
β Leonis ...	32.24	17.8
γ Urs. maj..	32.35	....
η Virginis ..	32.49	20.2
um 11^{h}37^m	— 32.43	48 33 19.0

Tägl. Gang: — 1^s.12.

April 10 (♄) Beob. S. Kreis W.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Libelle	Refr.
		h m s	s		° ′ ″	″	″
W. Z. LXIII 42	....	10 55 24.83	— 0.67	10	30 28 48.5	+ 5.2	+33.3
χ Leonis ...	....	58 54.13	— 0.53	8	.. ..	......	......
Anonyma ...	....	11 6 6.45	— 0.45	10	48 13 59.9	+ 6.2	+63.4
δ Hydrae ...	....	13 26.01	— 0.30	11	62 35 39.5	+ 5.3	+108.7
✳ (67) 1868	8	18 55.60	— 0.43	6	50 1 35.3	+ 6.4	+67.6
γ Cephei U. C.	....	34 28.40	+ 4.60	13	.. ..	......	......
β Leonis ..	....	43 0.90	— 0.63	10	33 14 15.7	+ 5.5	+37.2
γ Urs. maj..	....	47 35.61	— 1.65	8	354 7 44.2	+ 6.4	— 6.3
η Virginis ..	....	12 13 50.86	— 0.45	10	48 28 11.7	+ 7.0	+64.2

W 17.8 O 26.2
W′ 27.0 O′ 17.3

γ Cephei, γ Urs. maj.: $n = -0^s.635$

$c = -0.445$

$m = +0.753$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
10^{h}35^m	27.″768	+10.°4	+ 8.°6
11 3	......	......	+ 8.2
11 28	......	......	+ 7.9
12 4	27.745	+ 9.9	+ 7.5

	m + n	Polpunkt
χ Leonis....	—0^{m}37.^{s}04	48°33′ ..″.
δ Hydrae ...	37.01	9.6
β Leonis ...	36.69	8.3
γ Urs. maj..	36.81	9.0
η Virginis ..	37.02	7.3
um 11^{h}35^m	—0 36.98	48 33 8.6

Tägl. Gang: — 1^s.12.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Refr.

April 11. (☉) Beob. S.

		h m s	s		° ′ ″	″	″
α Urs. m K.W	....	1 11 37.74	.. ....	5	.. ..	.. ...	......
α Urs. m. K.O.	....	1 10 59.21	.. .. .	4	.. ..	.. ...	......

Kreis West

W 28.0 O 14.0
W′ 16.0 O′ 25 8

Kreis Ost

W 25.5 O 12.2
W′ 16.0 O′ 21.1

Kreis Ost: $c = + 0^s.432 - \rho$.

April 12. (☾) Beob. S. Kreis O.

χ Leonis....	....	10 58 54.75	+ 0.41	11	.. ..	......	......
Anonyma ...	....	11 6 7.45	+ 0.42	10	42 27 9.6	— 5.9	—62.3
γ Cephei U. C.	....	34 36.42	— 1.43	13	.. ..	......	......
β Leonis ...	....	43 2.02	+ 0.40	10	57 26 52.0	— 4.6	—36.4
γ Urs. maj..	....	47 35.14	+ 0.59	9	96 33 26.0	— 4 7	+ 6.1

W 17.0 O 20.2
W′ 25.2 O′ 12.1

γ Cephei, γ Urs. maj. } $n = - 0^s.095$

$c = + 0.418$
$m = + 0.430$

Uhrzeit	Bar.	Therm. R. inn.	äuss.
10h 50m	27.″881	+ 14.°9	+ 13.°0
11 50	27.883	+ 15.0	+ 13.2

	m + n	Polpunkt
χ Leonis ...	—0m 38.s72	42° 8′ ...″.
β Leonis ...	38.85	0.9
γ Urs. maj..	38.60	2.1
um 11h 30m	—0 38.72	42 8 1.5

Tägl. Gang: — 0s.42.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
April 14. (☿) Beob. S. Kreis O.							
		h m s	s		° ′ ″	″	″
ρ Leonis ...	....	10 26 34.67	+ 0.46	9	.. ..	......	......
l Leonis ...	....	43 2.23	+ 0.48	11	53 22 59.2	− 1.7	−42.3
W. Z. LXIII 42	....	55 26.03	+ 0.52	11	60 12 22.0	− 1.5	− 32.7
δ Leonis ...	....	11 7 48.12	+ 0.53	11	.. ..	......	......
δ Hydrae ...	....	13 27.91	+ 0.37	9	28 5 29.3	− 1.5	−106.7
γ Cephei U. C	....	34 38.80	− 2.89	11	.. ..	......	......
β Leonis ...	....	43 2.51	+ 0.50	11	57 26 54.0	− 2.1	−36.5

W 19 3 O 18 0
W′ 28 2 O′ 9.0

Uhrzeit	Bar.	Therm. B. inn.	Therm. B. auss.
$10^h 34^m$	27.″709	+14.°9	+12.°2
11 4	. ....	......	+11.8
11 47	27.699	+14.3	+11.4

γ Cephei, δ Leonis } $n = +0^s245$

$c = +0.418$
$m = +0.395$

	m + c	Polpunkt
ρ Leonis ...	$-0^m 39.^s 61$	42° 8′ ...″.
l Leonis....	39.71	6 1
δ Leonis ...	39.41	....
δ Hydrae...	39.61	5.2
β Leonis ...	39.44	5.1
um $11^h 3^m$	−0 39.56	42 8 5.5

Tägl. Gang: — 0^s45.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
April 27. (♂) Beob. S. Kreis O.							
ρ Leonis....	.....	10 26 42 68	+ 0.58	9	51 48 56 7	+ 1.0	−44.2
χ Leonis ...	.....	59 3.76	+ 0.55	10	49 52 48.8	− 0.8	− 47.5
* ⑰ 1868.	.....	11 15 55.27	+ 0.40	8	40 49 54 6	− 0.7	− 65.2
* ⑰ 1868.	8	19 5.70	+ 0.40	7	40 21 4.9	− 0.9	−66.4
ν Leonis....	.....	31 3.03	+ 0.42	8	41 44 28.1	− 1.3	−63.3
γ Cephei U. C.	.....	34 50.83	− 5.74	7	.. ..	......	......
β Leonis ...	.....	43 10.76	+ 0.68	11	57 8 23.8	− 1.0	−36.5
γ Urs. maj. .	.....	47 42.63	+ 1.99	9	96 14 56.8	− 1.0	+ 6.2

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 32 5 O 4.5
W' 24.8 O' 12.3

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
10h 32m	27."792	+15.°1	+13°0
11 2	......	......	+12.6
11 53	27.797	+15.0	+11.9

γ Cephei.... } γ Urs. maj.. } n = + 0s908

c = + 0.418
m = + 0.295

	m + n	Polpunkt
ρ Leonis ...	—0m47.s89	41° 49′33."0
χ Leonis....	48 01	....
ν Leonis....	47.96	33.8
β Leonis....	47.96	34.8
γ Urs. maj.	.....	32.9
um 11h10m	—0 47.95	41 49 33.6

Tägl. Gang: — 0s43.

Mai 10. (☾) Beob. S. Kreis O.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
θ Virginis ..	...	13h 4m 5.s19	+ 0.s31	11	37° 18′ 56."0	— 1."5	—73."1
α Urs. min. U. C.	....	12 35.20	— 71.11	4	.. ..	....	......
W. Z. LXXV 70.	...	17 13.78	+ 0.84	9	59 5 46.1	- 1.1	—33.5
η Urs. maj.	....	43 15.70	+ 2.21	10	92 6 17.0	— 1.3	+ 1.7
W. Z. LXXVI 44	....	51 18.20	+ 0.87	5	60 28	......	......
τ Virginis ..	....	55 53.93	+ 0.47	10	44 19 52.6	— 2.2	—57.1
α Bootis ...	....	14 10 35.55	+ 0.93	10	62 0 33.9	— 1.8	—29.7

W 26.9 O 7.8
W' 33.4 O' 1.2

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
13h 0m	27."343	+16.°4	+13.°6
14 15	27.335	+16.3	+13.6

α Urs. min. } η Urs. maj. } n = + 1s311

c = + 0.418
m = + 0.244

	m + n	Polpunkt
θ Virginis ..	— 0m54.s10	42° 8′ 7."5
η Urs. maj..	53.80	8.2
τ Virginis ..	53.19	...
α Bootis ...	54 95	7.3
um 13h43m	— 0 54.01	42 8 7.7

Tägl. Gang: — 0s62.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Mai 12. (☿) Beob. S. Kreis O.							
		h m s	s		° ′ ″	″	″
12 Can. ven.	....	12 50 48.95	+ 1.01	13	.. ..	.....	......
W. Z. LXXV 46	8.7	13 4 16.76	+ 0.62	10	59 9 ...	.....	......
α Urs. min. U. C.	....	12 7.41	− 40.98	4	.. ..	.....	......
W. Z. LXXV 70	9.2	17 15.28	+ 0.62	9	59 56	.....	......
ζ Virginis ..	....	28 57.31	+ 0.42	8	.. ..	.....	......
α Bootis....	....	14 10 36.91	+ 0.65	11	.. ..	.....	......
ρ Bootis....	....	27 6.81	+ 0.84	13	.. ..	.....	.....

W 16.1 O 18.0
W′ 19.4 O′ 14.6

α Urs. min. / 12 Can. ven. $n = + 0^s588$

$c = + 0.418$
$m = - 0.487$

	$m + x$
12. Can. ven.	$-0^m55.^s14$
ζ Virginis ..	55.20
α Bootis....	55.03
ρ Bootis . .	55.12
um 13^h44^m	−0 55.12

Tägl. Gang: — 0^s14.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Mai 28. (♀) Beob. S. Kreis O							
α Bootis....	....	14 10 39.85	+ 1.02	11	.. ..	.....	......
ρ Bootis....	....	27 9.43	+ 1.45	11	.. ..	.....	......
W. Z. LXXVIII 75	....	37 30.69	+ 0.95	9	59 48 . ..	.....	......
β Urs. min. .	....	52 1.49	+ 7.40	10	.. ..	.....	......
ψ Bootis....	....	59 48.34	+ 1.30	11	69 26 43.2	+ 3.5	−20.6
β Librae ...	....	15 10 57.50	+ 0.17	11	33 6 12.9	+ 4.7	−83.8
Anonym. dpl. pr. .	7.5	22 4.25	+ 0.17	11	33 7 24.5	+ 4.0	−83.8

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 22.8 O 7 1
W' 18.4 O 11.3

β Urs. min., β Librae } $n = +1^s.594$

$c = +0.418$
$m = -1.038$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$15^h\ 5^m$	...″...	.....°.	+17.°5
15 29	27.426	+19.9	+17.3

	m + n	Polpunkt
α Bootis....	$-0^m 58.^s37$	41° 58′ ...″.
ρ Bootis....	58 38	....
ψ Bootis ...	58.09	46.3
β Librae ...	58.42	46.6
um $14^h 42^m$	−0 58.32	41 58 46.4

Tägl. Gang: — 0ˢ.07.

Juni 4. (♀) Beob. S. Kreis O.

1869	Grösse	Mittel der Fäden h m s	Corr. des Instr. s	Zahl d. Fäden	Mittel der Lesungen ° ′ ″	Libelle ″	Refr. ″
α Librae. ..	....	14 44 37.92	+ 0.03	9	26 32 52.3	+ 2.7	−112.9
β Urs. min. .	....	52 1.50	+ 6 91	9	.. ..	.....	......
ψ Bootis....	....	59 48.43	+ 1.23	11	69 26 51.0	+ 2.2	− 21.2
Anon. dpl. seq. ..	9.0	15 22 6.80	+ 0 19	10	33 6 59.7	+ 1.6	−86.4
α Cor. bor. .	....	30 6 72	+ 1.22	11	69 8 40.4	+ 2.2	−21.6
Anon. Var...	9.3	54 59.43	+ 1.19	6	68 16 46.6	+ 2.5	−22.6
W. Z. LXXXIII 23	....	16 11 23.43	+ 0.92	9	60 5 24.0	+ 1.7	−32.6
α Scorpii ...	...	22 22.89	− 0.30	8	15 53 47.2	+ 2.3	−197.0
W. Z. LXXXI 16	....	27 6.54	+ 0.90	6	59 34	....	......
ζ Herculis ..	...	37 19.57	+ 1.40	8	73 49 38.0	+ 2.8	−16.5
W.Z.LXXXIV 64seq.	...	42 17.06	+ 0.92	7	60 9 46.3	+ 2.7	−32.5
W. Z. LXXXIV 71	...	46 19.11	+ 0.92	8	60 17 28.8	+ 0.3	−32.3

W 25.4 O 9.7
W' 29.2 O' 6.0

β Urs. min., α Libræ } $n = +1^s.458$

$c = +0.418$
$m = -0.359$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$14^h 56^m$	27.″648	+15.°9	+12.°2
15 20	......	......	+12.2
15 46	......	......	+12.0
16 19	......	......	+11.8
16 55	27.654	+15.0	+11.7

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

	m + n	Polpunkt
α2 Librae ..	$-0^{m}58.^{s}18$	41° 58′ 49.″8
ψ Bootis....	58.13	50.8
α Cor. bor. .	57.85	50.1
α Scorpii ...	57.81	50.7
ζ Herculis ..	58.26	49.1
um $15^{h}\ 39^{m}$	—0 58.05	41 58 50.1

Tägl. Gang: + 0.ˢ02.

Juni 9. (☿) Beob. S. Kreis O.

1869	Grösse	Mittel der Fäden (h m s)	Corr. des Instr. (s)	Zahl d. Fäden	Mittel der Lesungen (° ′ ″)	Libelle (″)	Refr. (″)
β Urs. min..	....	14 52 0.12	+ 7.97	9	.. ..	......	......
ψ Bootis....	....	59 48.27	+ 1.38	11	69 26 54.4	— 2.0	—21.1
Anonyma ...	....	15 9 9.14	+ 0.36	11	40 4 30.6	— 0.7	—66.7
α Cor. bor. .	....	30 6 69	+ 1.37	11	69 8 43.9	— 0.7	—21.5
α Serpentis .	....	38 48.01	+ 0.63	11	48 50 7.5	— 1.0	—49.2
δ Ophiuchi..	....	16 8 28.43	+ 0.32	7	38 38 48.3	— 2.4	—70.4
W. Z. LXXXVIII 3*	....	15 5.28	+ 1.03	7	60 42 55.4	— 2.3	—31.6
W. Z. LXXXIV 44	....	24 0.42	+ 1.02	10	60 16 51.1	— 1.7	—32.2
W. Z. LXXXVIII 49	....	37 4.71	+ 1.04	6	60 52 16.5	— 4.4	—31.4
W. Z. LXXXI 143	....	45 54.32	+ 1.00	5	59 48 14.1	— 3.8	—32.8

W 26.0 O 6.1
W′ 24.1 O′ 8.0

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. auss.
$14^{h}57^{m}$	27.″531	+16.°4	+12.°5
16 9	......	.....	+11.6
16 51	27.507	+15.9	+11.4

β Urs. min. / δ Ophiuchi } $n = +1.^{s}744$

$c = +0\ 418$
$m = -0.779$

	m + n	Polpunkt
ψ Bootis ...	$-0^{m}58.^{s}14$	41° 58′ 49.″1
α Cor. bor. .	57.97	49.7
α Serpent. ..	58.04	51.5
δ Ophiuchi..	58.08	50.8
um $15^{h}34^{m}$	—0 58.06	41 58 50.3

$F - F^{*} = -1.^{r}035$ $L - L^{*} = +2.^{r}717$
$= -3.^{s}185$ $= +126.''30$

Tägl. Gang: + 0.ˢ03.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Juni 12. (♄) Beob. S. Kreis O.							
		h m s	s		° ' "	"	"
Anonyma*..	....	15 9 9.19	+ 0.37	7	40 2 25.1	+ 1.4	—66.9
α Cor. bor. .	....	30 6.74	+ 1.26	11	69 8 46.3	+ 2.5	—21.6
α Serpentis .	....	38	....	..	48 50 5.6	+ 2.4	—49.4
ζ Urs. min. .	....	49 40.97	+ 9.37	6	.. ..	......	......
β¹ Scorpii ..	...	58 49.45	— 0.10	11	22 34 26.5	+ 2.4	—135.6
δ Ophiuchi..	....	16 8 28.28	+ 0.33	10	38 38 46.2	+ 1.6	—70.7
W. Z. LXXXVIII 3*	....	15 4.90	+ 0.96	5	60 42 56.3	— 1.0	—31.8
W. Z. LXXXVIII 55	....	39 37.81	+ 0.96	9	60 48 20.0	+ 1.5	—31.7
W. Z. LXXXIV 71	....	46 18.80	+ 0.95	11	60 17 36.4	— 0.7	—32.4
κ Ophiuchi..	....	52 27.05	+ 0.68	11	51 34 32.1	— 0.2	—45.0

W 27.0   O 7.9
W' 29.8   O' 5.7

ζ Urs. min. } β¹ Scorpii } $n = + 1^s.532$

$c = + 0.418$
$m = - 0.645$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. auss.
15h 15m	27."580	+ 15.°6	+ 12.°0
15 46	......	....	+ 11.3
16 29	......	....	+ 10.8
16 57	27.566	+ 13.8	+ 10.5

	m + n	Polpunkt
α Cor. bor...	—0m 57.s92	41° 58' 49."6
α Serpent. ..	.....	52.5
β¹ Scorpii ..	58.01	53.3
δ Ophiuchi..	57.93	52.1
κ Ophiuchi..	57.80	51.3
um 16h 7m	—0 57.92	41 58 51.8

$F - F^* = - 1^r.043$ $L - L^* = + 2^r.715$
$= - 3^s.209$ $= + 126''.24$

Tägl. Gang: $+ 0^s.02$.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Juni 26. (♄) Beob. S. Kreis O.							
W. Z. LXXXIII 3*	....	16 5 34.51	+ 0.82	7	59 50 55.0	+ 4.0	—32.8
W. Z. LXXXX 25	....	30 34.78	+ 0.81	10	59 19 12.9	+ 3.8	—33.6
W. Z. LXXXIV 71	....	46 20.66	+ 0.83	10	60 17 32.6	+ 3.8	—32.3
κ Ophiuchi..	....	52 28.92	+ 0.62	11	51 34 26.2	+ 5.0	—44.9
ε Urs. min. .	....	17 0 24.74	+ 11.72	4	.. ..	....	......

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
		h m s	s		° ′ ″	″	″
W Z. LXXXX 402*	....	17 0 38.14	+ 0.81	2	59 15 18.4	+ 4.5	—33.7
α Herculis ..	....	9 41.24	+ 0.73	8	56 32 2.7	+ 4.0	—37.5
W. Z. LXXXXIII 47	....	24 18.84	+ 0.81	8	59 33 7.8	+ 3.8	—33.4
α Ophiuchi .	....	29 51.82	+ 0.69	10	54 39 1.3	+ 4.5	—40.3
μ Herculis ..	....	42 20.26	+ 1.09	10	69 47 11.2	+ 3.2	—21.0

W 29.0   O 7.2
W′ 24.8   O′ 11 6

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$16^h\ 0^m$	27.″635	+15.°2	+12.°1
16 42	......	......	+11.9
17 16	......	......	+11.3
17 55	27.640	+15.3	+10.9

ε Urs. min. }
κ Ophiuchi .. } $n = + 1^s.173$

$c = + 0.418$
$m = - 0.167$

	$m + n$	Polpunkt
κ Ophiuchi ..	$-0^m 59.^s56$	41° 58′ 48″.5
α Herculis ..	59.65	51.2
α Ophiuchi .	59.38	50.8
μ Herculis ..	59.47	49.2
um $17^h 19^m$	—0 59.51	41 58 49.9

$F - F^* = - 1^r.028$ $L - L^* = + 2^r.715$
$= - 3^s.164$ $= + 126.″21$

Tägl. Gang: — 0ˢ.23.

Juli 6. (♂) Beob. S. Kreis O.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
W. Z. XC 25	....	16 30 37.98	+ 0.90	11	59 19 11.6	— 0.2	—32.8
ζ Herculis ..	... .	37 24.13	+ 1.40	11	73 49 41.0	+ 0.9	—16.1
W. Z. LXXXI 401	...:.	42 24.65	+ 0.90	3	59 44 18.6	+ 1.7	—32.3
κ Ophiuchi ..	....	52 32.25	+ 0.67	10	51 34 25.7	+ 2.3	—43.6
ε Urs. min. .	....	17 0 25.12	+ 13.87	8	.. ..	.....	......
W. Z. XCVII 1 .	....	48 30.16	+ 0.89	10	59 0 15.4	— 0.5	—33.3
W. Z. XCV 8 ..	....	55 52.12	+ 0.90	11	59 29 38.4	— 1.8	—32.7
W. Z. LXXXII 52	....	18 1 23.61	+ 0.94	5	60 51 41.6	— 2.3	—30.9
W. Z. LXXXII 94	....	14 46.16	+ 0.94	4	60 56 47.9	— 4.9	—30.8
W. Z. XCV 79 .	....	22 38.86	+ 0.90	11	59 25 47.6	— 2.5	—32.8
W. Z. LXXXIX 67	....	29 40.25	+ 0.93	12	60 34 59.6	— 1.5	—31.3
α Lyrae....	....	33 33.36	+ 1.71	6	80 39 54.4	— 1.6	— 9.4
51 Cephei U. C.	....	39 30.76	— 39.04	4	.. ..	......	......
β Lyrae....	....	46 17.91	+ 1.46	11	75 11 55.0	— 4.4	—14.7
ζ Aquilae...	....	19 0 27.22	+ 0.79	10	55 39 47.4	— 1.5	—37.9

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 20.6 O 10.6
W′ 25.4 O′ 6.0

51 Cephei... ε Urs. min. } $n = +1^s.465$

$c = +0.418$
$m = -0.679$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
16h 47m	27.″671	+19.°7	+17.°3
17 39	......	......	+16.9
18 3	......	......	+16.8
18 53	27.683	+19.4	+16.8

	m + x	Polpunkt
ζ Herculis ..	—1m 2.s84	41° 58′ 42.″9
κ Ophiuchi .	2.94	45.0
α Lyrae	2.65	45.4
β Lyrae	2.64	43.4
ζ Aquilae ..	2.63	43.3
um 17h 58m	—1 2.74	41 58 44.0

Tägl. Gang: — $0^s.06$.

Juli 12. (☾) Beob. S. Kreis O.

W. Z. LXXII 8.	....	16h 7m 19s.19	+ 1s.04	9	60° 8′ 19″.3	— 3″.7	—32″.1
W. Z. XC 16	....	27 10.51	+ 1.01	9	59 35 ...	......	......
ζ Herculis ..	...	37 23.23	+ 1.62	10	73 49 48.1	— 2.4	—16.3
κ Ophiuchi .	....	52 31.39	+ 0.73	10	51 34 33.4	— 2.8	—44.5
ε Urs. min. .	....	17 0 21.09	+ 16.47	7	.. ..	......	......
α Herculis ..	....	9 43.74	+ 0.90	10	56 32 4.4	— 2.9	—37.1

W 23.0 O 7.0
W′ 26.0 O′ 4.3

ε Urs. min. κ Ophiuchi } $n = +1^s.819$

$c = +0.418$
$m = -0.792$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
15h 56m	27.″798	+18.°9	+16.°0
16 33	......	......	+15.4
17 4	27.812	+19.1	+15.0

	m + x	Polpunkt
ζ Herculis ..	—1m 2.s21	41° 58′ 45.″3
κ Ophiuchi .	2.16	46.1
α Herculis ..	2.33	43.7
um 16h 53m	—1 2.23	41 58 45.0

Tägl. Gang + $0^s.15$.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Juli 13. (♂) Beob. S. Kreis O.							
		h m s	s		° ′ ″	″	″
W. Z. LXXXVI 33	....	16 21 7.68	+ 1.08	11	60 33 1.4	+ 2.5	−31.2
W. Z. XC 46 ..	....	27 10.37	+ 1.04	11	59 35 13.5	+ 2.9	−32.4
ζ Herculis ..	....	37 23.00	+ 1.87	10	73 49 47.8	+ 1.7	−16.1
W. Z. LXXXI 404*	....	42 23.88	+ 1.15	7	59 42 16.6	+ 1.3	−32.0
W. Z. XC 72 ..	....	48 28.38	+ 1.04	9	59 25 20.2	+ 1.2	−32.7
ε Urs. min. .	....	17 0 20.46	+ 17.10	7	.. ..	......	......
W. Z. XC 402*	....	0 41.10	+ 1.03	7	59 15 16 0	+ 1.5	−32.9
α Herculis ..	....	9 43 66	+ 0.92	13	56 32 4.4	+ 1.7	−36.6
W. Z. XCV 41 .	....	18 7 21.21	+ 1.04	10	59 25 56.4	+ 2.8	−32.9
W. Z. LXXXIII 94*	....	14 44.89	+ 1.09	5	60 54 53.9	+ 5.3	−30.9
W. Z. XCV 79 .	....	22 38.25	+ 1.04	11	59 25 51.2	+ 4.0	−32.9
α Lyrae	....	33 32.38	+ 2.06	10	80 39 0.8	+ 4.3	− 9.4
β Lyrae	....	46 16.91	+ 1.75	10	75 12 1.0	+ 4.1	−14.8

W 26.0 O 3.0
W′ 23.0 O′ 6.5

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. auss.
$16^h 13^m$	27.″639	+19.°9	+17.°6
16 51	......	......	+17.0
17 23	......	......	+16.6
18 11	......	......	+15.6
18 49	27.626	+20.0	+15.1

ε Urs. min. }
α Herculis . } $n = +1^s.905$

$c = +0.418$
$m = -1.168$

	m + n	Polpunkt *
ζ Herculis ..	$-1^m\ 2^s.04$	41° 58′ 49.″2
α Herculis ..	2.27	48.6
α Lyrae	2.04	55.7
β Lyrae	1.91	55.9
um $17^h 47^m$	−1 2.07	

F — F* = — 1ʳ.022 L — L* = + 2ʳ.718
= — 3ˢ.144 = + 128.″36

Tägl. Gang: + 0ˢ.13.

* bis $18^h.1$ Polpunkt = 41° 58′ 48.″9
von 18.2 Polpunkt = 41 58 55.8

Juli 20. (♂) Beob. S. Kreis O.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
		h m s	s		° ' "	"	"
W. Z. XCIII 33	....	17 19 57.09	+ 0.93	5	59 21 25.1	+ 1.5	−32.7
W. Z. XCIII 67.	....	30 34.21	+ 0.92	8	59 17 24.9	+ 0.5	−32.8
μ Herculis ..	....	42 23.30	+ 1.29	12	69 47 16.3	+ 0.2	−20.4
W. Z. XCVII 4	....	48 29.66	+ 0.91	5	59 0 14.5	+ 1.0	−33.2
W. Z. XCVII 20.	....	55 46.70	+ 0.92	10	59 6 9.1	+ 0.1	−33.1
W. Z. XCVII 33	....	18 0 14.99	+ 0.91	11	58 54 44.4	+ 1.1	−33.3
δ Urs. min. .	....	15 20.32	+ 33.21	5	.. ..	......	......
W. Z XCV 59	....	15 29.13	+ 0.93	9	59 30 2.9	+ 0.1	−32.6
W. Z. XCVI 116	....	28 5.35	+ 0.95	6	60 8 26.1	+ 0.1	−31.8
α Lyrae	....	33 33.11	+ 1.78	10	80 38 56.2	+ 0.8	− 9.3
51 Cephei U. C.	....	39 34.18	− 40.77	4	.. ..	......	......
β Lyrae	....	46 18.03	+ 1.51	10	75 11 58.7	+ 1.0	−14.7
W. Z. LXXXV 56	....	50 43.81	+ 0.97	8	61 2 19.3	0.0	−30.7
ζ Aquilae...	....	19 0 27.32	+ 0.81	11	55 39 50.8	+ 0.1	−37.9

W 26.0 O 4.0
W' 23.0 O' 7.0

δ Urs. min. / 51 Cephei.. } $n = + 1^s.549$

$c = + 0.418$
$m = - 0.491$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
17h 16m	27."617	+19.°3	+17.°3
18 13	......	......	+17.0
18 40	......	......	+16.4
19 4	27.627	+19.7	+16.2

	m + n	Polpunkt
μ Herculis ..	−1m 2.s74	41°58' 46."5
α Lyrae	2.48	45.8
β Lyrae	2.76	48.7
ζ Aquilae ..	2.77	45.6
um 18h30m	−1 2.69	41 58 46.6

Tägl. Gang: + 0s.08.

Juli 22. (♃) Beob. S. Kreis O.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
W. Z. XC 72 ..	....	16 48 28.64	+ 1.01	12	59 25 24.7	− 4.5	−33.1
ε Urs. min. .	....	17 0 20.16	+ 16.59	7	.. ..	......	......
α Herculis .	....	9 43.93	+ 0.91	10	56 32 9.4	− 3.6	−36.7
W. Z. XCIII 40	....	13 12.19	+ 1.01	9	59 15 37.9	− 4.7	−33.0
W. Z. XCIII 67 .	....	30 33.40	+ 1.01	9	59 17 27.8	− 5.7	−33.0
μ Herculis ..	....	42 22.71	+ 1.44	13	69 47 31.0	−13.8	−20.5
ζ Aquilae ...	....	19 0 26.90	+ 0.88	12	55 40 8.0	−15.0	−38.2

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 22.4 O 6.2
W′ 27.0 O′ 3.0

ε Urs. min. } $n = + 1^s.834$
α Herculis }

$c = + 0.418$
$m = - 0.737$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
16ʰ42ᵐ	27.″651	+19.°6	+17.°0
17 23	......	......	+16.1
17 47	......	......	+15.7
19 2	27.673	+19.0	+14.8

	m + n	Polpunkt
α Herculis ..	−1ᵐ 2.ˢ59	41°58′ 47.″0
μ Herculis ..	2.32	46.7
ζ Aquilae...	2.42	47.1
um 17ʰ54ᵐ	−1 2.44	41 58 46.9

Tägl. Gang: $+ 0^s.37$.

Juli 24. (♄) Beob. S Kreis O.

		ʰ ᵐ ˢ	ˢ		° ′ ″	″	″
W. Z. XCIII 40.	....	17 13 11.14	+ 1.02	10	59 15 39.5	− 4.0	−32.6
W. Z. XCIII 33.	....	19	....	..	59 21 39.2	− 4.3	−32.5
α Ophiuchi..	....	29 53.71	+ 0.85	13	54 39 9.7	− 3.2	−38.9
μ Herculis..	....	42 21.59	+ 1.45	11	69 47 24.0	− 3 1	−20.3
W. Z. LXXXII 47	....	51 29.61	+ 1.08	8	61 0 2.6	− 4.3	−30.5
W. Z. XCI 8..	.....	55 50.18	+ 1.03	9	59 29 45.5	− 4.5	−32.4
W. Z. XCV 44	....	18 7 20.66	+ 1.03	6	59 26 0.4	− 4.5	−32.5
W. Z. XCVII 100	....	25 1.25	+ 1.00	8	58 52 21.9	− 1.7	−33.2
W. Z. LXXXIX 67	....	29 38.72	+ 1.07	7	60 35 3.1	− 1.5	−31.0
α Lyrae....	....	33 31.31	+ 2.03	10	80 39 2.2	− 1.4	− 9.3
51 Cephei U. C.	....	39 40.95	− 47.34	5	.. ..	......	......

W 26.0 O 3.2
W′ 26 8 O′ 2.0

51 Cephei } $n = + 1^s.869$
α Lyrae }

$c = + 0\ 418$
$m = - 0.530$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
17ʰ23ᵐ	27.″569	+ 21.°6	+18.°4
17 46	......	....	+18.0
18 44	27.559	+ 21.0	+17.3

	m + n	Polpunkt
α Ophiuchi .	−1ᵐ 1.ˢ46	41°58′ 48.′6
μ Herculis..	1.21	50.2
α Lyrae....	0.95	48.6
um 17ʰ53ᵐ	−1 1.21	41 58 49.1

Tägl. Gang: $+ 0^s.48$.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Juli 29. (♃) Beob. S. Kreis O.							
		h m s	s		° ′ ″	″	″
W. Z. XCIII 426	....	17 48 38.89	+ 1.06	5	59 34	......	......
W. Z. XCVII 20.	....	55 44.40	+ 1.08	9	59 6 11.8	+ 0.5	−32.4
W. Z. XCVII 33	....	18 0 12.49	+ 1.07	9	58 54 47.0	+ 1.0	−31.7
W. Z. LXXXIX 48	....	12 49.41	+ 1.14	7	60 32 53.4	− 0.5	−30.7
δ Urs. min.	....	15 6.31	+ 42.01	5	.. ..	......	......
α Lyrae	....	33 30.67	+ 2.20	10	80 39 3.6	+ 0.5	− 9.2
51 Cephei U.C.	....	39 44.74	− 51.55	5	.. ..	......	......
W. Z. XCII 456.	....	46 35.61	+ 1.08	8	59 11 0.8	− 0.2	−32.5
W. Z. XCIV 2.	....	56 33.57	+ 1.03	8	60 19 40.2	− 1.5	−31.1
ζ Aquilae	....	19 0 24.93	+ 0.93	9	55 39 53.6	+ 0.4	−37.3
W. Z. XCIV 37.	....	8 21.23	+ 1.12	5	60 16 57.6	+ 0.7	−31.1
δ Aquilae	....	19 55.75	+ 0.52	12	44 51 18.4	− 0.6	−54.8

W 24.0 O 0.0
W′ 23.0 O′ 1.3

δ Urs. min. }
51 Cephei . } $n = +2.^s070$

$c = +0.418$
$m = -0.836$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
$17^h 44^m$	27.″686	+ 23.°9	+ 22.°3
18 19	......	....	+ 21.8
18 53	......	....	+ 21.0
19 23	27.713	+ 23.8	+ 20.6

	m + n	Polpunkt
α Lyrae	-1^m 0.^{s}51	41° 58′ 50.″7
ζ Aquilae ..	0.50	47.8
δ Aquilae ...	0.50	49.1
um $18^h 58^m$	−1 0.50	41 58 49.2

Täglicher Gang: + 0.^{s}41.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.
Juli 30 (♀) Beob. S. Kreis O.							
μ Herculis	....	17 42 20.41	+ 1.64	11	69 47 24.5	− 6.2	−20.1
W. Z. XCIII 426	....	48 38.23	+ 1.14	8	59 34 5.0	− 5.5	−32.0
W. Z. XCIII 439	....	53 9.87	+ 1.13	7	59 24 49.6	− 7.3	−32.2
W. V. XCV 25.	....	18 2 2.75	+ 1.14	7	59 27 57.4	− 5.5	−32.4
W. Z. XCVI 59.	....	6 49.70	+ 1.17	10	60 17 28.0	− 7.3	−31.3
W. Z. LXXXIX 48	....	12 49.01	+ 1.19	3	60 32 50.0	− 5.1	−30.8
W. Z. LXXXIX 34	....	17 49.99	+ 1.19	9	60 40 16.1	− 5.9	−30.6
W. Z. XCVII 400	....	24 59.84	+ 1.11	10	58 52 18.4	− 4.5	−33.0
α Lyrae	....	33 29.77	+ 2.31	10	80 39 6.7	− 6.5	− 9.2
51 Cephei U.C.	....	39 48.62	− 54.58	6	.. ..	......	......
β Lyrae	....	46 14.84	+ 1.95	10	75 12 6.1	− 7.7	−14.5

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

W 23.0 O 0.1
W' 25.0 O' − 1.0

51 Cephei .. } $n = + 2^s.216$
α Lyrae .... }

$c = + 0.418$
$m = − 0.880$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. auss.
$17^h 39^m$	27."808	+23°.8	+22°.3
18 22	......	.....	+21.7
18 50	27.814	+24.0	+21.2

	m + n	Polpunkt
μ Herculis ..	$−1^m\ 0^s.28$	41° 58' 46."7
α Lyrae	−0 59.73	46.6
β Lyrae	−1 0.07	45.2
um $18^h 20^m$	−1 0.03	41 58 46.2

Tägl. Gang: $+ 0^s.50$

August 4. (☿) Beob. S. Kreis O.

		h m s	s		° ' "	"	"
μ Herculis ..	....	17 42 16.89	+ 1.46	12	.. ..	......	......
W. Z. XCII 1 ..	....	50 5.03	+ 1.02	7	59 10 32.7	+ 2.6	−33.3
W. Z. LXXXII 52	....	18 1 16.61	+ 1.08	12	60 51 44.9	+ 2.9	−31.1
W. Z. XCII 54 .	....	6 28.91	+ 1.02	11	59 11 8.1	+ 2.9	−33.3
W. Z. LXXXII 94	....	14 39.40	+ 1.09	9	60 56 57.7	− 0.7	−31.1
δ Urs. min. .	....	15 4.75	+ 38.77	4	.. ..	......	......
α Lyrae	....	33 26.44	+ 2.03	10	80 39 3.1	− 1.5	− 9.4
51 Cephei U.C.	....	39 39.41	− 47.56	4	.. ..	......	......
β Lyrae	....	46 11.27	+ 1.73	8	75 12 2.3	+ 1.0	−14.9
W. Z. LXXV 64	....	54 15.22	+ 1.09	12	60 59 58.6	+ 1.7	−31.1
W. Z. XCIV 37.	....	19 8 17.09	+ 1.06	8	60 16 57.7	+ 0.9	−32.0
δ Aquilae...	....	19 51.71	+ 0.51	13	44 51 16.5	+ 1.5	−56.3
W. Z. XCIV 84.	....	25 10.04	+ 1.06	7	60 9 19.7	− 0.8	−32.2
W. Z. XCIV 103	....	30 56.79	+ 1.06	10	60 16 44.7	+ 0.2	−32.1
W. Z. XCIV 130	....	39 38.77	+ 1.06	13	60 16 4.3	0.0	−32.1

W 31.0 O 1.0
W' 32.8 O' − 0.9

δ Urs. min. . } $n = + 1.878$
51 Cephei }

$c = + 0.418$
$m = + 0.030$

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. auss.
$17^h 37^m$	27."795	+18°.9	+16°.5
18 11	......	......	+16.0
18 42	......	......	+15.6
19 43	27.808	+19.5	+14.9

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen Libelle	Corr. wegen Refr.

	$m+s$	Polpunkt
μ Herculis..	—0^m 56.^s 64	41° 58′ ...″.
α Lyrae....	56.18	46.6
β Lyrae....	56.32	48.6
δ Aquilae...	56.45	47.1
um 18^h 34^m	—0 56.40	41 58 47.4

Tägl. Gang: + 0.^s 52.

August 27. (♀) Beob. S.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Libelle	Refr.
		h m s	s		° ′ ″	″	″
α Urs. min. U.C. Kr. O.	....	13 13 9.81	....	5	....	.....	......
α Urs. min. U.C. Kr. W.	....	13 12 31.07	....	4	....	.....	......

Kreis Ost				Kreis West			
W	19.8	O	15.2	W	12.0	O	22.0
W′	11.8	O′	22.7	W′	6.7	O′	26.0

Kreis O. $c = +0.^s2732 - p$

September 6. (☾) Beob. S. Kreis W.

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Libelle	Refr.
δ Urs. min. .	....	18 15 36.41	— 7.79	7	.. ..	......	......
W. Z. LXXXIX 67	....	29 30.93	— 0.36	9	29 47 44.2	+ 1.1	+31.6
W. Z. LXXXV 14	....	34 19.99	— 0.36	9	29 19 39.1	+ 1.7	+31.0
W. Z. LXXXIX 102	....	41 51.36	— 0.36	13	29 49 8.7	0.0	+31.7
W. Z. LXXXVII 146	....	49 54.28	— 0.26	9	29 35 37.1	+ 2.8	+31.4
ω Aquilae..	....	19 12 34.96	— 0.32	13	37 1 26.1	— 0.2	+41.8
δ Aquilae ..	....	19 48.54	— 0.30	11	45 31 37.1	— 1.5	+56.4
W. Z. XCIV 103	....	30 54.12	— 0.36	11	30 5 58.7	— 1.2	+32.1
γ Aquilae ..	....	40 56.81	— 0.32	9	38 5 17.0	+ 0.8	+43.4
α Aquilae ..	....	45 18.37	— 0.32	10	39 51 33.9	— 0.8	+46.3
β Aquilae ..	....	49 47.55	— 0.31	10	42 18 5.4	— 1.5	+50.4

1869	Grösse	Mittel der Fäden	Corr. des Instr.	Zahl d. Fäden	Mittel der Lesungen	Corr. wegen	
						Libelle	Refr.

W 11.5 O 26.5
W' 14.5 O' 22.7

	Uhrzeit	Bar.	Therm. R. inn.	Therm. R. auss.
	$18^h 19^m$	27."626	+15.°8	+14.°3
	18 46	......	......	+13.6
	19 27	......	......	+13.2
	19 53	27.612	+15.0	+13.1

δ Urs. min., δ Aquilae: $n = -0^s.174$

$c = -0.287$

$m = -0.560$

	m + n	Polpunkt	
ω Aquilae ..	-0^m 52.^{s}74	48° 24′	5."5
δ Aquilae...	52.73		....
γ Aquilae ..	52.63		5.0
α Aquilae ..	52.52		5.4
β Aquilae ..	52.52		4.8
um $19^h 34^m$	-0 52.63	48 24	5.2

Tägl. Gang: + 0^s.23.

Resultate der Beobachtungen am Meridiankreise,

zusammengestellt von Prof. **Edmund Weiss.**

Mittlere Positionen von Fixsternen, bezogen auf den Anfang des Beobachtungsjahres.

Mittlere Orte 1867.0

Nr.	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
	h m s	s	° ′ ″	″		
1	0 6 21.37	+ 3.085	+ 20 0 47.5	+ 20.05	2	67.84
2[1])	0 12 43.31	+ 3.098	+ 20 1 2.5	+ 20.02	1	67.94
3[2])	0 18 49.77	+ 3.110	+ 19 35 49.7	+ 19.99	1	67.91
4	0 21 7.31	+ 3.109	+ 17 9 24.4	+ 19.97	1, 2	67.84 67.91
5	0 32 39.78	+ 3.139	+ 19 37 49.8	+ 19.85	1, 2	67.90
6	0 41 59.78	+ 3.142	+ 16 13 19.3	+ 19.72	1, 2	67.90
7	0 50 54.81	+ 3.164	+ 17 35 28.8	+ 19.56	1, 2	67.81 67.84
8	0 55 12.16	+ 3.111	+ 7.13 24.6	+ 19.47	1	67.91
9	1 2 42.93	+ 3.195	+ 18 56 53.6	+ 19.31	1, 2	67.90
10	1 7 3.96	+ 3.178	+ 15 25 43 7	+ 19.20	1	67.94
11	1 15	....	+ 15 5 38.0	+ 18.99	0, 1	67.87
12	1 19 30.89	+ 3.224	+ 18 33 3.0	+ 18.85	1	67.94
13	1 30	....	+ 21 1 15.7	+ 18.53	0, 1	67.87
14	1 35 17.09	+ 3.264	+ 19 37 14.6	+ 18.34	1	67.94
15[3])	8 16 48.98	+ 3.436	+ 18 17 19.1	— 11.27	1	67.01
16	22 7 22.42	+ 2.837	+ 20 23 29.5	+ 17.68	2	67.76
17	22 12 25.53	+ 2.902	+ 15 35 34.2	+ 17 88	2	67.81
18	22 17 57.15	+ 2.910	+ 15 35 30.1	+ 18.10	1	67.81
19	22 26 16.92	+ 2.927	+ 15 10 43.7	+ 18.40	3	67.77
20	22 30 6.40	+ 2.894	+ 19 5 21.0	+ 18.54	1	67.84
21	22 35 26.00	+ 2.888	+ 20 44 19.2	+ 18.71	2, 1	67.77 67.81
22	22 38 19.68	+ 2.904	+ 19 38 7.6	+ 18.79	1	67.84
23	22 45 47.90	+ 2.956	+ 15 10 39.3	+ 19.02	3	67.76
24	22 50 56.05	+ 2.926	+ 20 3 23.5	+ 19.15	1	67.84
25	22 59 39.75	+ 2.942	+ 20 22 42.5	+ 19.36	2	67.78

Nr.	Rectascension		Jährliche Praecession		Declination		Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
	h m s		s		° ′ ″		″		
26	23 15 35.02	+	2.982	+	18 40 45.8	+	19.68	2, 3	67.76
27	23 20 4.76	+	2.990	+	19 6 34.3	+	19 75	1	67.84
28	23 46 33.63	+	3.042	+	20 8 31.5	+	20.02	3	67.80
29	23 51 31.06	+	3.055	+	18 33 16.3	+	20.04	1, 2	67.83
30	23 56		....	+	18 5 43.7	+	20.05	0, 1	67.87
	Mittlere Orte 1868.0								
1	0 6 24.53	+	3.085	+	20 1 7.7	+	20.05	1, 2	{68.77 / 68.80}
2	0 12 46.20	+	3.098	+	20 1 21.9	+	20.02	2, 3	68.80
3[a])	0 19 44.08	+	3.112	+	19 34 11.4	+	19.99	2	68.80
4	0 21 10.18	+	3.109	+	17 9 42.0	+	19.97	2	68.82
5	0 32 42.09	+	3.139	+	19 38 2.2	+	19.85	1, 2	68.82
6	0 36 37.84	+	3.135	+	16 37 58.1	+	19.80	3	68.81
7	0 42 2.62	+	3.142	+	16 13 38.3	+	19.72	2	68.83
8	0 46 17.87	+	3.164	+	19 2 57.6	+	19.64	3	68.83
9	0 50 10.34	+	3.163	+	17 32 55.8	+	19.57	1	68.81
10	0 51 24.96	+	3.174	+	19 3 8.9	+	19.55	1	68.81
11	1 2 45.75	+	3.195	+	18 57 12.0	+	19.31	1	68.81
12	1 14 59.91	+	3.187	+	15 5 53.7	+	18.99	1	68.79
13	1 19 34.14	+	3.224	+	18 33 17.8	+	18.85	1	68.79
14	1 29 56.21	+	3.268	+	21 1 34.3	+	18.53	2	68.81
15	1 35 20.26	+	3.264	+	19 37 30.7	+	18.34	1	68.93
16	1 49 1.45	+	3.283	+	19 5 3.5	+	17.83	2	68.87
17	2 37.38.46	+	3.917	+	14 53 29.6	+	15.49	1	68.93
18	4 34 33.62	+	3.478	+	18 5 25.7	+	7.30	1	68.03
19	5 9 34 98	+	3.423	+	15 6 55.5	+	4.38	1	68.13
20	5 19 28.25	+	3.495	+	17.50 48.3	+	3.53	1	68.03
21	5 24 36.73	+	3.491	+	17 38 39.6	+	3.08	2	68.12
22	5 36 58.48	+	3.427	+	15 0 5.8	+	2.01	1	68.10
23	5 37		....	+	25 3 30.2	+	1.97	0, 1	68.03
24	5 42 49.45	+	3.504	+	17 59 1.5	+	1.50	1	68.16
25	5 47 17.57	+	3.489	+	17 22 26.3	+	1.11	1	68.03
26	5 49 52.27	+	3.494	+	17 33 39.4	+	0.89	1	68.14
27	5 57 28.30	+	3.494	+	17 32 35.7	+	0.22	1	68.10
28	6 6 46.25	+	3.504	+	17 56 27.5	—	0.59	1	68.10
29	6 7 45.49	+	3.500	+	17 47 14.4	—	0.68	1	68.13
30	6 8 43.60	+	3.485	+	17 13 20,4	—	0.76	1	68.16
31	6 15 8.40	+	3.495	+	17 38 5.1	—	1.32	1	68.10
32	6 21 22.94	+	3.499	+	17 49 53.6	—	1.87	1	68.13
33	6 23 30.98	+	3.478	+	17 1 36 6	—	2.05	1	68.10

Nr.	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
	h m s	s	° ′ ″	″		
34	6 26 51.27	+ 3.489	+ 17 28 55.7	— 2.34	2	68.17
35	6 28 11.74	+ 3.484	+ 17 18 11.3	— 2.46	1	68.13
36	6 47 14.29	+ 3.475	+ 17 8 17.2	— 4.10	2	68.17
37	6 53 0.88	+ 3.472	+ 17 8 23.5	— 4.60	1	68.13
38	7 4 9.39	+ 3.469	+ 17 11 33.9	— 5.54	2	68.17
39	7 23 29.18	+ 3.450	+ 16 13 23.0	— 7.14	2, 1	68.16
40	7 37 6.03	+ 3.452	+ 17 19 5.3	— 8.24	2	68.16
41	7 39 48.24	+ 3.454	+ 17 32 50.7	— 8.46	1	68.21
42	7 43	+ 3.444	+ 17 12 39.2	— 8.71	0,1	68.16
43	7 45 52.21	+ 3.441	+ 17 11 4.9	— 8.94	1	68.16
44	8 14 32.17	+ 3.349	+ 14 2 34.6	— 11.11	1	68.21
45	8 28 55.10	+ 3.392	+ 16 46 21.3	— 12.13	1	68.21
46	9 1 11.37	+ 3.363	+ 17 14 0.6	— 14.25	1	68.21
47	9 21 42.08	+ 3.343	+ 17 41 27.8	— 15.45	1	68.21
48	9 29 50.76	+ 3.317	+ 16 49 6.6	— 15.90	1	68.21
49	10 39 38.52	+ 3.214	+ 17 14 12.7	— 18.82	2	68.25
50	11 0 54.85	+ 3.180	+ 17 35 40.9	— 19.39	2	68.25
51	11 7 19.94	+ 3.169	+ 17 38 49.0	— 19.53	2	68.25
52	11 16 43.43	+ 3.153	+ 17 52 0.7	— 19 70	1	68.25
53	11 34 40.75	+ 3.118	+ 17 25 3.2	— 19.93	2	68.28
54	12 12 40.71	+ 3.046	+ 18 27 46.4	— 20.02	1	68.31
55	12 54 37.94	+ 2.970	+ 17 50 8.2	— 19.49	2	68.28
56	13 16 16.50	+ 2.938	+ 16 57 25.1	— 18.96	1	68.34
57	13 16 30.86	+ 2.937	+ 16 57 47 9	— 18.95	1	68.38
58	13 17 16.69	+ 2.931	+ 17 36 45.8	— 18.92	2 1	68.36
59	13 19 1.07	+ 2 931	+ 17 14 24.6	— 18.88	2	68.36
60	13 23 18.07	+ 2.920	+ 17 35 8.6	— 18.75	2	68.33
61	13 34 25.86	+ 2.893	+ 18 28 12.9	— 18.39	2	68.35
62	13 37 28.49	+ 2.891	+ 18 4 24.1	— 18.28	2, 2	68.35
63	13 46 26.98	+ 2.876	+ 18 2 57.3	— 17.94	0, 2	68.38
64	13 49 17.05	+ 2.873	+ 17 56 36.1	— 17.83	1	68.38
65	13 50	....	+ 18 20 13.3	— 17.79	1	68.38
66	14 2 27.84	+ 2.846	+ 18 15 55.2	— 17.26	1	68.34
67	14 2 50.23	+ 2.849	+ 17 58 56.2	— 17.25	3	68.35
68	14 12 29.74	+ 2.834	+ 17 57 47.9	— 16.80	2	68.37
69	14 17 28.77	+ 2.820	+ 18 22 7.3	— 16.56	3	68.36
70[5])	14 25 1.92	+ 2.819	+ 17 38 48.3	— 16.18	2	68.37
71	14 25 22.73	+ 2.810	+ 18 13 47.8	— 16.16	2	68.38
72[6])	14 36 28.35	+ 2.800	+ 17 48 57.7	— 15.56	1, 2	68.38
73	14 39 25.06	+ 2.785	+ 18 26 23.4	— 15.40	2	68.43

Nr.	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
	h m s	s	° ′ ″	″		
74	14 42 44.67	+ 2.775	+ 18 45 2.9	− 15.21	2	68.38
75	14 53 57.68	+ 2.763	+ 18 31 14.5	− 14.56	2	68.43
76	14 58 8.30	+ 2.581	+ 27 36 7.8	− 14.29	1	68.45
77	15 6 10.76	+ 2.744	+ 18 35 53.7	− 13.80	2	68.36
78	15 14 3.04	+ 2.740	+ 18 15 16.5	− 13.30	2	68.36
79	15 23 52.18	+ 2.714	+ 18 57 18.7	− 12.64	2	68.36
80	15 53 58.60	+ 2.508	+ 26 17 49.2	− 10.48	1	68.45
81	16 4 31.31	+ 2.693	+ 17 53 46.6	− 9.68	1	68.45
82	16 6 13.83	+ 2.686	+ 18 9 2.7	− 9.55	1	68.46
83	16 10 21.62	+ 2.683	+ 18 6 7.2	− 9.23	2	68.53
84	16 11 57.37	+ 2.681	+ 18 6 8.5	− 9.11	3, 2	68.47
85	16 18 38.55	+ 2.680	+ 17 57 9.7	− 8.58	2	68.46
86	16 19 31.84	+ 2.687	+ 17 36 33.6	− 8.51	2	68.48
87	16 20 39.00	+ 2.660	+ 18 42 29.7	− 8.42	2	68.52
88	16 22 59.16	+ 2.668	+ 18 17 31.1	− 8.24	2	68.50
89	16 25 30.33	+ 2.678	+ 17 47 11.3	− 8.04	2	68.45
90	16 32 9.68	+ 2.668	+ 18 1 3.2	− 7.50	2	68.45
91	16 36 3.88	+ 2.644	+ 18 52 56.4	− 7.18	2	68.53
92	16 38 36.53	+ 2.644	+ 18 49 1.4	− 6.97	2, 1	68.54
93	16 41 2.40	+ 2.658	+ 18 11 18.7	− 6.77	1	68.46
94	16 41 11.31	+ 2.647	+ 18 36 50.2	− 6.76	2	68.52
95	16 41 15.12	+ 2.658	+ 18 10 30.2	− 6.76	1	68.50
96	16 44 32.81	+ 2.645	+ 18 36 33.9	− 6.48	2	68.45
97	16 44 53.08	+ 2.664	+ 17 48 47.3	− 6.46	2	68.53
98	16 45 11.50	+ 2.635	+ 18 58 46.4	− 6.43	2	68.53
99	16 53 6.96	+ 2.661	+ 17 44 21.9	− 5.77	2	68.50
100	16 53 41.95	+ 2.636	+ 18 45 21.1	− 5.72	2	68.53
101	16 59 18.90	+ 2.648	+ 18 9 54.6	− 5.25	2	68.50
102	17 12 13.26	+ 2.660	+ 17 27 40.6	− 4.15	1	68.52
103	17 17 16.48	+ 2.654	+ 17 35 58.2	− 3.72	1	68.52
104	17 20	....	+ 17 56 30.9	− 3.52	0, 1	68.46
105	17 21 7.21	+ 2.666	+ 17 5 7.0	− 3.39	1	68.45
106	17 35 28.51	+ 2.682	+ 16 19 59.0	− 2.14	2	68.49
107	17 50 25.11	+ 2.611	+ 19 0 26.9	− 0.83	2	68.52
108	18 1 59.89	+ 2.614	+ 18 51 42.5	+ 0.17	3	68.53
109	18 10 24.80	+ 2.614	+ 18 52 36.1	+ 0.91	2	68.54
110	18 12 46.65	+ 2.615	+ 18 50 39.8	+ 1.12	2, 1	68.52
111	18 21 38.22	+ 2.622	+ 18 39 42.2	+ 1.89	2	68.53
112	18 30 51.04	+ 2.618	+ 18 53 38.2	+ 2.69	1	68.54

Nr.	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
	h m s	s	° ' "	"		
113	18 31 2.63	+ 2.619	+ 18 50 22.3	+ 2.71	1	68.54
114	18 48 56.28	+ 2.626	+ 18 47 27.7	+ 4.25	1	68.54
115	18 49 37.09	+ 2.620	+ 19 3	....	2, 0	68.55
116	22 7 24.99	+ 2.837	+ 20 23 45 9	+ 17.68	2	68.71
117	22 12 28.36	+ 2.902	+ 15 35 53.6	+ 17.88	2	68.72
118	22 18 0.30	+ 2.910	+ 15 35 47.5	+ 18.10	4	68.77
119	22 26 19.77	+ 2.927	+ 15 11 1.9	+ 18.40	2	68.71
120	22 30 8.93	+ 2.894	+ 19 5 37.8	+ 18.54	2	68.76
121	22 35 28.70	+ 2.888	+ 20 44 37.4	+ 18.71	2	68.71
122	22 38 22.25	+ 2.904	+ 19 38 28.6	+ 18.79	4	68.80
123	22 40 49.65	+ 2.899	+ 20 46 10.4	+ 18.87	2	68.72
124	22 45 50.54	+ 2.956	+ 15 10 57.9	+ 19.02	2	68.72
125	22 50 58.92	+ 2.926	+ 20 3 40.9	+ 19.15	3	68.79
126	22 59 42.35	+ 2.942	+ 20 22 58.7	+ 19.36	2	68.71
127	23 15 37.79	+ 2.982	+ 18 41 1.9	+ 19.68	2	68.75
128	23 20 7.34	+ 2.990	+ 19 6 50.8	+ 19.75	4, 3	68.78
129	23 36 2.02	+ 3.032	+ 15 36 12.8	+ 19.94	3	68.83
130	23 38 48.47	+ 3.027	+ 19 40 57.7	+ 19.97	5, 4	68.80
131*)	23 41 14.29	+ 3.030	+ 20 32 33.6	+ 19.99	1	68.79
132	23 42 19.02	+ 3.036	+ 18 38 14.7	+ 19.99	1	68.77
133	23 46 36.89	+ 3.042	+ 20 8 17.4	+ 20.02	1	68.74
134	23 51 34.18	+ 3.055	+ 18 33 35.0	+ 20.04	2	68.77
135	23 55 49.83	+ 3.063	+ 18 6 0.6	+ 20.05	3	68.80

Mittlere Orte 1869.0

Nr.	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
1	4 32 53.66	+ 3.612	+ 23 33 10.6	+ 7.44	1	69.05
2	5 9 20.72	+ 3.408	+ 14 30 30.5	+ 4.40	2, 1	69.13
3	5 34 3.71	+ 3.431	+ 15 9	....	2, 0	69 09
4	5 36 46.84	+ 3.728	+ 26 16 55.0	+ 2.03	1	69.13
5	5 37 26.74	+ 3.442	+ 15 34 34.4	+ 1.97	2	69.09
6	5 37 28.44	+ 3.693	+ 25 4	....	1, 0	69.13
7	5 53 58.00	+ 3.492	+ 17.28 52.8	+ 0.53	2, 1	69.13
8	6 7 49.28	+ 3.500	+ 17 47	....	1, 0	69.13
9	6 8 47.11	+ 3.485	+ 17 13 20.8	— 0.77	1	69.13
10	7 37 9 41	+ 3.451	+ 17 18 56.1	— 8.25	1	69.17
11	7 43 5.61	+ 3.444	+ 17 12 27.8	— 8.72	1	69.17
12	7 54 2.17	+ 3.426	+ 16 48 50.9	— 9.57	1	69.17
13	8 4 22.67	+ 3.419	+ 16 55 13.6	— 10.36	1	69.21
14	9 14 9.02	+ 3.344	+ 17 9 13.4	— 15.03	1	69.17
15	9 29 54.34	+ 3.317	+ 16 48 48.6	— 15.90	2, 1	69.17

Nr.	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
	h m s	s	° ′ ″	″		
16	10 54 21.16	+ 3.076	+ 0 45 1.1	— 19.24	1	69.26
17	10 54 46.20	+ 3.193	+ 18 3 47.1	— 19.25	2	69.28
18	11 5 28.13	+ 3.073	+ 0 18 8.6	— 19.46	3, 2	69.27
19	11 14 6.76	+ 3.066	— 1 0 36.1	— 19.65	1	69.32
20	11 18 17.17	+ 3.065	— 1 29 29.4	— 19.72	2	69.30
21	13 3 21.07	+ 2.957	+ 17 11	....	1, 0	69.36
22	13 16 19.46	+ 2.938	+ 16 57 6.2	— 18.96	2, 1	69.35
23	13 50 23.73	+ 2.866	+ 18 20	....	1, 0	69.35
24	14 36 31.86	+ 2.800	+ 17 49	....	1, 0	69.40
25	15 8 9.90	+ 3.104	— 1 55 27.2	— 13.67	2	69.44
26	15 21 4.36	+ 3.232	— 8 52 42.6	— 12.82	1, 2	69.41
27	15 1 7.18	+ 3.232	— 8 53 14.7	— 12.81	1	69.42
28[8])	15 54 0.75	+ 2.508	+ 26 17 31.8	— 10.48	1	69.42
29	16 4 34.12	+ 2.693	+ 17 53 34.9	— 9.68	1	69.48
30	16 6 16.37	+ 2.686	+ 18 8 48.4	— 9.55	1	69.53
31	16 10 24.57	+ 2.683	+ 18 5 59.4	— 9.23	1	69.42
32	16 14 6.35	+ 2.665	+ 18 45 32.7	— 8 94	2	69.44
33	16 20 4.00	+ 2.664	+ 18 33 33.3	— 8.47	1	69 53
34	16 23 1.61	+ 2.668	+ 18 17 22.3	— 8.23	1	69.44
35	16 26 7.61	+ 2.682	+ 17 35 45.1	— 7.99	3, 1	{69.40 / 69.53
36	16 29 34.32	+ 2.686	+ 17 19 45.4	— 7.71	2	69.50
37[9])	16 36 5.90	+ 2.644	+ 18 52 45.8	— 7.18	1	69.44
38	16 38 39.05	+ 2.644	+ 18 48 52.8	— 6.97	1	69.44
39	16 41 18.16	+ 2.658	+ 18 10 22.9	— 6.75	1	69.42
40	16 41 21.09	+ 2.668	+ 17 44 53.5	— 6.75	2	69.52
41	16 44 55.45	+ 2.664	+ 17 48 42.7	— 6.45	1	69.44
42	16 45 20.12	+ 2 652	+ 18 18 5.3	— 2.42	3	69.45
43	16 47 25.50	+ 2.673	+ 17 25 48.8	— 6.24	2	69.54
44[10])	16 59 37.87	+ 2.669	+ 17 17 54.6	— 5 22	2	69.51
45	17 12 9.00	+ 2.664	+ 17 16 0.7	— 4.15	2	69.56
46	17 18 53.43	+ 2.660	+ 17 21 58.2	— 3.58	2	69 55
47	17 23 18.19	+ 2.653	+ 17 33 40.5	— 3.19	1	69.48
48	17 29 30.27	+ 2.659	+ 17 17 51.9	— 2.66	2	69.55
49	17 47 26.08	+ 2.662	+ 17 0 45.7	— 1.10	2	69.53
50	17 47 37.44	+ 2.648	+ 17 34 27.5	— 1.08	2, 1	69.58
51	17 49 7.73	+ 2.658	+ 17 11 0.1	— 0.95	1	69.59
52	17 50 27.49	+ 2.611	+ 19 0 25.6	— 0.83	1	69 56
53	17 52 9.00	+ 2.652	+ 17 25 10.0	— 0.69	1	69.58
54	17 54 42.94	+ 2.659	+ 17 6 37.2	— 0.46	2	69.56
55	17 54 48.12	+ 2.650	+ 17 30 8.4	— 0.46	2	69.54

Nr.	Rectascension		Jährliche Praecession		Declination		Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
	h m s		s		° ′ ″		″		
56	17 59 11.10	+	2.664	+	16 55 12.9	—	0.07	2	69.56
57	18 0 19.54	+	2.614	+	18 52 14.6	+	0.03	2	69.55
58	18 1 1.85	+	2.650	+	17 28 19.4	+	0.09	1	69.58
59	18 5 31.54	+	2.658	+	17 11 25.6	+	0.48	1	69.59
60	18 5 48.83	+	2.628	+	18 17 49.1	+	0.51	1	69.58
61	18 6 18.27	+	2.651	+	17 26 20.4	+	0.55	2	69.55
62	18 11 48.06	+	2.623	+	18 33 21.4	+	1.03	2	69.57
63	18 13 42.05	+	2.613	+	18 57 25.7	+	1.20	3 2	69.54 / 69.56
64	18 14 25.26	+	2.650	+	17 30 31.5	+	1.26	1	69.55
65	18 16 49.10	+	2.620	+	18 40 39.2	+	1.47	1	69.57
66	18 21 35.03	+	2.653	+	17 26 17.1	+	1.89	2	69.52
67	18 23 58.90	+	2.667	+	16 52 42.8	+	2.10	2	69.57
68	18 27 1.48	+	2.636	+	18 8 55.4	+	2.36	1	69.55
69	18 28 36.37	+	2.625	+	18 35 30.4	+	2.50	3	69.58
70	18 33 25.33	+	2.614	+	19 3 34.4	+	2.91	1	69.68
71	18 40 56.65	+	2.629	+	18 34 5.8	+	3.56	1	69.68
72	18 45 34.03	+	2.666	+	17 11 25.4	+	3.96	1	69.57
73[11])	18 48 59.52	+	2.626	+	18 47 34.7	+	4.25	1	69.68
74	18 49 39.91	+	2.620	+	19 2 49.7	+	4.31	1	69.55
75	18 53 17.76	+	2.623	+	19 0 26.7	+	4.62	1	69.59
76	18 55 31.91	+	2.641	+	18 20 4.4	+	4.81	1	69.57
77	19 7 19.59	+	2.648	+	18 17 24.2	+	5.81	2	69.58
78	19 24 12.47	+	2.662	+	18 9 44.4	+	7.20	1	69.59
79	19 29 59.18	+	2.663	+	18 17 13.2	+	7.67	2	69.64
80	19 38 41.16	+	2.670	+	18 16 30.0	+	8.37	1	69.59

[1]) AR. unsicher.
[2]) Decl. unsicher.
[3]) Sehr schwach, 10.11 Grösse.
[4]) AR. vielleicht -1^s.
[5]) AR. unsicher.
[6]) AR. wahrscheinlich $+ 1^s$.
[7]) AR. unsicher.
[8]) Unsichere Beobachtungen.
[9]) AR. unsicher.
[10]) Wegen Lichtschwäche des Sternes unsicher.
[11]) AR. wahrscheinlich $- 1^s$.



PLANETEN-
UND
COMETEN-BEOBACHTUNGEN

AM REFRACTOR VON SECHS ZOLL ÖFFNUNG.

Vom 11. November 1865 bis 22. Juni 1870.

Von

Professor Dr. EDMUND WEISS,

Adjunct der k. k. Sternwarte.

Die folgenden Beobachtungen sind am Kreismikrometer des Fraunhofer'schen Refractors von sechs Zoll Oeffnung angestellt. Für die Halbmesser des Ringes wurden die früheren Werthe beibehalten, nämlich:

für den äusseren Kreis .... R = 987.″7
„ „ inneren „ .... r = 885.9

Den von mir ausgeführten Beobachtungen habe ich noch einige Beobachtungen der Cometen 1863 III, 1868 I (Brorsen) und 1869 I (Winnecke) hinzugefügt, welche die Herren Directoren J. F. Julius Schmidt und F. Karlinski während zeitweiliger Anwesenheiten in Wien, sowie Dr. Th. R. v. Oppolzer anstellten. Zur Reduction derselben wurde der für mich geltende Werth des Halbmessers benützt.

Die mittleren Orte der den Katalogen entnommenen Vergleichssterne sind mittelst der Auwers'schen Tafeln Astr. Nachr. Nr. 1300 auf Wolfers reducirt, und an die Orte des Kataloges von Schjellerup zur Reduction auf dasselbe Coordinatensystem + 0ˢ.03, + 0.″4 angebracht. Die neueren Meridianbeobachtungen der verschiedenen Sternwarten wurden ohne weitere Correction so angenommen, wie sie vom Beobachter mitgetheilt sind. Die Reduction der Sterne vom mittleren auf scheinbaren Ort ist mit den Constanten des Berliner Jahrbuches berechnet.

Ueber die Art der Reduction der Beobachtungen enthält Annalen 3. Folge, III. B. alles Nöthige.

Ed. Weiss.

Angelina.

Angelina + h m s	s	Stern — h m s	s
0 32 29.3	40.2	0 32 58.4	7.2
34 6.7	55.3	34 38.2	28.6
35 5.4	16.6	35 34.7	44.2
36 43.4	32.5	37 15.8	6.3
38 47.8	58.2	39 17.3	26.4
40 24.8	14.2	40 57.3	47.7
41 29.7	40.6	41 59.2	8.8
43 7.2	56.2	43 40.0	30.7
45 45.6	56.8	46 16.2	25.0
47 24.1	13.4	47 56.2	47.4
48 36.7	47.6	49 7.2	16.0
50 15.2	4.5	50 47.2	37.8
51 29.0	40.8	52 0.7	10.1
53 8.4	57.8	53 41.2	32.0
54 33.9	45.0	55 4.5	14.0
56 12.2	1.2	56 44.5	34.5
57 25.8	36.7	57 56.8	6.1
0 59 3.9	52.6	0 59 36.2	26.8
1 0 0.3	11.1	1 0 30.3	40.2
1 1 39.0	28.2	1 2 11.2	2.1

	h m s
Mittel der Zeit	0 47 23.5
Correct. der Uhr	+ 3 17.7
Sternzeit.............	0 50 41.2
Mittlere Wien. Zeit ...	9 29 37.4

1868. **10. November.** ♂

Differenz (Pl. — St.).

— 0m 30.s22	
30.77	
30.93	
31.25	
31.22	+ 23′ 36.″5
31.05	
32.00	
31.30	
31.75	
31.30	
— 0 31.18	

Stern.

Lal. 8766	4h32m49s.79	+23°33′6.″9
Weisse I 69°|7	50 35	1.4
Wie. Mn. B.	50.05	3.2

Bloss Wien. Mer. B. benützt.

	Ang.	Ang.2
1868.0	4h32m50.s05	+23° 33′ 3.″2
Reduct. .	+ 3.68	+ 0.4
Differ. ..	— 0 31.18	+ 23 36.5
eig. Bew.	0.00	— 0.3
Refr.....	— 0.04	+ 0.7
Angelina.	4 32 22.51	+23 56 40.5
Log. F. Par.	8.602n	9.723

Ariadne.

Stern —		Ariadne —	
10 47 18.4	28.1	10 50 15.0	23.5
48 58.7	49.3	52 10.8	2.5
52 52.3	1.5	55 48.0	56.8
54 32.1	22.9	57 44.2	35.8
58 20.5	29.9	11 1 16.3	24.5
60 0.5	51.8	3 12.5	4.7

1870. **2. März.** ☿

Differenz (Pl. — St.).

+ 3m 4.s32	
4.00	+ 2′ 34.″8
3.82	
3.97	
3.65	+ 2 28.6
3.45	
+ 3 3.87	+ 2 31.7

Stern +				Ariadne +			
h	m	s	s	h	m	s	s
11	5	59.6	8.1	11	9	12.6	22.9
	7	51.1	42.7		10	46.3	35.6
	12	50.3	58.3		15	2.5	13.3
	13	41.2	33.4		16	36.4	25 6
	17	32.7	41.1		20	44.9	55.7
	19	22.5	13.5		22	17.2	5.8

	h	m	s
Mittel der Zeit	11	6	15.6
Correct. der Uhr	—	2	2.0
Sternzeit.............	11	4	13.6
Mittlere Wien. Zeit ...	12	22	4.8

Stern.

L. 24125	12h50m49.s35	—12°6′28.″5 (1)
W. I 853	48.65	18.4 (1)
Sa. 1495	48.04	23.2 (2)

Blos Sa. benützt, da in AR. wahrscheinlich eine geringe Eigenbewegung vorhanden.

1870.0	12h50m48.s04	— 12° 6′ 23.″2
Reduct. .	+ 0.75	— 2.2
Differ. ..	+ 3 3.87	+ 2 31.7
eig. Bew.	0.00	0.0
Refr. ...	— 0.01	+ 0.2
Ariadne	12 53 52.65	— 12 3 53.5
Log. F. Par.	8.322_n	9.931

Hecuba.

Hecuba +				Stern +			
12	13	17.5	24.0	12	15	37.3	46.4
	15	11.5	4.3		17	5.0	54.6
	17	38.7	46.5		20	0.4	10.1
	19	36.0	27.3		21	27.1	17.3
	22	0.0	7.5		24	21.6	31.9
	23	56.2	47.7		25	48.6	38.4
	27	8.6	17.0		29	30.6	40.8
	29	5.2	56.8		30	57.5	47.5
	31	34.7	42.9		33	57.4	7.6
	33	31.3	22 8		35	23.0	12.6
Hecuba —				**Stern —**			
13	45	26.7	36.8	13	47	25.1	32.2
	47	12.8	2.6		49	28.8	22.1
	53	53.5	3.2		55	52.3	59.2
	55	38.5	28.7	13	57	56.0	48.4
13	59	11.3	20.3	14	1	9.3	15.9
14	0	56.0	46 5		3	13.1	5.7
	4	4.7	14.5		6	4.3	11.1
	5	51.2	41.5		8	8.2	1.7
	13	0.7	10.5		14	59 2	6.3
	14	47.3	37.5		17	4.2	56.5

	h	m	s
Mittel der Zeit	13	11	39.0
Correct. der Uhr	+	0	56.1
Sternzeit..............	13	12	35.1
Mittlere Wien. Zeit ...	10	33	13.5

1869. **1. Mai.** ♄

Differenz (Pl. — St.).

— 2m 6.s50	
6.60	
7.28	— 4′ 29.″2
7.20	
7.22	
7.32	
8.00	
7.47	— 4 27.6
8.35	
7.55	
— 2 7.35	— 4 28.4

Stern.

Lal. 22562	11h52m52.s15	—1°11′17.″9 (1)
Weisse I 895	51.74	21.8 (1)
Wash. C. 581	51.69	....(1.0)
Sant. Z-o 139	52.08	16.9 (3)
Lam. 8523	51.91	16.1 (5)

angenommen $\frac{\text{Sant.} + \text{Lam.}}{2}$

1869.0	11h52m52.s00	—1° 11′ 16.″5
Reduct. .	+ 1.08	— 7.6
Differ. ..	— 2 7.35	— 4 28.4
eig. Bew.	0.00	0.0
Refr.....	— 0.01	— 0.2
Hecuba .	11 50 45.72	—1 15 52.7
Log. F. Par.	8.182_n	9.879

Hecuba +		Stern +	
h m s	s	h m s	s
12 57 23.7	34.3	13 1 0.8	9.3
59 14.5	4.0	2 37.0	27.7
13 4 30.0	39.8	8 7.6	16.2
6 19.5	9.5	9 42.5	33.7
10 20.3	30.0	13 58.7	7.2
12 10.0	0.4	15 33.1	24.3
Hecuba —		**Stern —**	
13 23 55.3	5.0	13 27 21.3	29.1
25 41.0	31.3	29 16.0	8.2
30 5.3	15.0	33 32.8	40.0
31 53.8	44.0	35 27.5	19.3
36 4.5	13.8	39 29.4	37.7
37 50.7	41.2	41 25.2	17.3

	h m s
Mittel der Zeit	13 17 57.4
Correct. der Uhr	— 4 40.3
Sternzeit	13 13 17.1
Mittlere Wien. Zeit ..	9 58 32.2

1869. 10. Mai. C

Differenz (Pl. — St.).

— 3^m 29.^s57 30.30 30.65	— 1′ 56.″0
30.50 30.25 29.85	— 1 57.1
— 3 30.19	— 1 56.6

Stern (= Stern vom 1. Mai).

1869.0	11^h 52^m 52.^s00	—1° 11′16.″5
Reduct. .	+ 1.00	— 7.2
Differ. ..	— 3 30.19	— 1 56.6
eig. Bew.	0.00	0.0
Refr.....	0.00	— 0.1
Hecuba ..	11 49 22.81	— 1 13 20.4
Log. F. Par.	8.202	9.881

Helena.

Stern —		Helena —	
22 17 33.5	41.6	22 21 43.4	53.0
19 13.0	5.3	23 31.4	22.8
57 34.6	42.4	23 1 43.6	52.1
59 19.2	11.3	3 35.4	26.2
Stern +		**Helena +**	
23 5 36.9	43.0	23 9 50.5	58.3
7 39.1	32.2	11 50.5	41.8
13 10.6	17.3	17 24.3	32.2
15 13.5	7.4	19.25.2	16.3

	h m s
Mittel der Zeit	22 58 38.0
Correct. der Uhr	+ 0 20.8
Sternzeit	22 58 58.8
Mittlere Wien. Zeit....	10 54 48.6

Die Beobachtung durch Wolken unterbrochen und gestört. Der Planet hell 10 mg. aber zuweilen sehr schwach.

*) Die beiden Beobb. von Lal. weichen in A. R. um 1^s von einander ab.

1868. 21. September. C

Differenz (Pl. — St.).

+4^m 14.^s30 12.45	+ 1′ 4.″0
12.48 12.30	+ 1 5.4
+ 4 12.88	+ 1 4.7

Stern.

Lal 4580 ½	23^h 16^m 45.^s17	—0° 26′ 0.″0	[6½7;](2.*2)
Piazzi 68 ...	45.37	25 59.8	[7.6](6.6)
Weisse I 320	45.84	58.0	[8] (4.4)
Taylor 10743	45.51	57.9	[6.7] (5.5)
Rümk. 11102	45.23	57.7	... (4.4)
Rob. 5167...	45.48	59.4	[6½] (3.4)
Schj. 963 4/5	45.73	58.0	[6.5.7] (2.2)

angenommen: $\frac{P + T + R + S}{4}$

1868.0	23^h 16^m 45.^s52	— 0° 25′ 58.″8
Reduct. .	+ 2 83	+ 19.7
Differ. ..	+ 4 12.88	+ 1 4.7
eig. Bew.	0 00	— 0.2
Refr.....	0.00	0.0
Helena ..	23 21 1.23	— 0 24 34.6
Log. F. Par.	7.269n	9.876

Stern —		Helena —	
h m s	s	h m s	s
21 56 53.7	1.1	21 57 23.5	32.4
58 47 0	39.4	59 16.2	7 8
21 59 41.6	49.1	22 0 11.3	19.7
22 1 34.4	27.2	2 3.8	55.3
2 48.4	56.1	3 17.5	26.3
4 41.2	33.8	5 10.2	1.9
Stern +		**Helena +**	
22 6 32.5	41.0	22 7 0.8	9.6
8 20.8	13.0	8 51.1	42.3
9 22.4	30.3	9 50.5	59.2
11 10.3	2.6	11 40.9	31.7
12 16.2	24.0	12 43.5	53.2
14 4.2	56.3	14 34.0	25.1

	h	m	s
Mittel der Zeit	22	6	0.3
Correct. der Uhr	—	0	9.2
Sternzeit	22	5	51.1
Mittlere Wien. Zeit ...	9	46	6.0

1868. 25. September. ♀

Differenz (Pl. — St.).

+ 0ᵐ 29.ˢ68		
29 45	— 0′	15.″5
29.10		
28.62		
29.18	— 0	12.8
28.77		
+ 0 29.13	— 0	14.2

Stern (= Stern vom 21. Sept.)

1868.0	23ʰ16ᵐ 45.ˢ52	—0° 25′ 58.″8
Reduct. .	+ 2.83	+ 19.8
Differ...	+ 0 29.13	— 0 14.2
eig. Bew.	0.00	0.0
Refr.....	0.00	0.0
Helena..	23 17 17.48	— 0 25 54.2
Log. F. Par.	8.132_n	9.876

Jo

Jo +		Stern —	
2 35 18.4	30.0	2 37 4.3	14.1
36 42.5	30.4	38 38.1	28.8
39 33.4	45.3	41 18.4	28.2
40 58.3	45.3	42 54.1	45.4
43 25.6	37.5	45 10.4	19.7
44 49.3	37 5	46 46.1	36.5
47 17.4	29.5	49 1.3	11.2
48 41.4	28.7	50 38.1	28.0
51 27.5	40.0	53 11.4	21.0
52 50.5	38.7	54 48.3	38.6
55 19.8	32.0	57 2.7	12.1
56 41.4	29.3	2 58 40.0	30.7
59 13.9	26.3	3 0 56.8	6.1
3 0 36.1	23.4	2 34.6	25.4
3 5.3	17.5	4 47.3	57.2
4 26.4	12.6	6 25.8	16.6
7 1.4	14.0	8 43.7	52.5
8 22.1	9.7	10 21.7	13.0
10 46.9	59.4	12 28.6	37.5
12 7.5	54.7	14 7.5	59.2

1865. 11. November ♄

Differenz (Pl. — St.).

— 1ᵐ 50.ˢ75		
50.95		
50.70	+24′	0.″5
50.40		
50.65		
50.75		
50.80		
51.28	+23	56.5
50.93		
51.07		
— 1 50.83	+23	58.5

Stern.

Weisse I 775	0ʰ44ᵐ58.ˢ61	+ 3°19′31.″2
Schj. 298	58.56	32.1
Berl. M. B.	58.60	31.5

Angen.: $\frac{\text{Schj.}+\text{Berl.}}{2}$

	h m s
Mittel der Zeit	2 53 56.2
Correct. der Uhr	— 2 27.2
Sternzeit	2 51 29.0
Mittlere Wien. Zeit...	11 27 13.0

1865.0	$0^h 44^m 58.^s58$		+ 3° 19′ 31.″8	
Reduct. .	+ 3.98		+ 23.1	
Differ. ..	— 1 50.83		+23 58.5	
eig. Bew.	— 0.01		0.0	
Refr.	+ 0.04		+ 1.0	
Jo	0 43 11.76		+ 3 43 54.4	
Log. F. Par.	8.374		9.850	

Stern + h m s	s	Jo — h m s	s
2 4 2.6	11.4	2 6 55.1	4.4
5 41.6	32.8	8 42.3	32.9
9 44.2	53.2	12 36.0	44.9
11 22.5	13.4	14 24.4	15.3
15 8.4	17.6	17 59.3	8.2
16 44.7	35.3	19 48.1	39.5
20 29.3	38.2	23 19.0	28.1
22 5.1	56.2	25 9.8	1.3
25 52.0	1.4	28 40.8	49.2
27 26.6	16.8	30 32.0	22.8
31 13.3	22.2	34 2.0	11.3
32 46.8	37.0	35 53.2	44.5
36 38.4	48.1	39 26.6	35.3
38 11.2	1.7	41 18.8	9.2
42 2.3	12.0	44 50.1	58.8
43 35.1	25.6	46 42.7	33.7
47 30.7	39.8	50 16.8	26.0
49 1.4	52.3	52 10.6	1.3
58 22.2	32.5	3 1 9.3	17.3
59 53.3	43.5	3 2.7	54.0

	h m s
Mittel der Zeit	2 32 51.0
Correct. der Uhr	— 2 29.9
Sternzeit	2 30 21.1
Mittlere Wien. Zeit....	9 12 7.1

1865. 10. December. ⊙*

Differenz (Pl. — St.).

$+ 2^m$ 56.^{s}58	
56.82	
57.28	— 20′ 23.″5
57.35	
57.00	
57.92	
57.63	
57.58	— 20 22.5
57.63	
57.95	
+ 2 57.37	— 20 73.0

Stern.

Weisse I 802	$0^h 46^m 31.^s35$	+ 2° 34′ 9.″5
Berl. M. B	31 56	8.9

Bloss B. M. B. benützt.

1865.0	$0^h 46^m 31.^s56$	+ 2° 34′ 8.″9
Reduct. .	+ 3.74	+ 21.0
Differ....	+ 2 57.37	—20 23.0
eig. Bew.	0.00	— 0.4
Refr.....	— 0.02	— 0.8
Jo	0 49 32.65	+ 2 14 5.7
Log. F. Par.	8.278	9.858

Grössenschätzungen von Planeten

(85) Jo	1865 November 11	: 10.0	Grösse
	1865 December 10	: 10.8	»
(101) Helena	1868 September 21	: 9.8	»
(64) Angelina	1868 November 10	: 9.8	»
(108) Hecuba	1869 Mai 1	: 11.2	»
	1869 Mai 10	: 11.4	»

Comet Respighi 1863 III.

Comet +		Stern +	
h m s	s	h m s	s
13 2 34.5	53.0	13 0 46.0	0.5
4 50.0	31.5	3 22.5	8.5
7 10.5	28.7	5 19.5	35.5
9 23.7	4.0	7 55.0	41.0
Comet —		**Stern —**	
13 42 20.0	46.5	13 40 55.5	15.0
44 56.0	39.0	42 55.5	36.5
46 55.5	13.0	45 20.5	40.5
49 22.5	6.3	47 22.0	3.4

	h	m	s
Mittel der Zeit	13	25	57.7
Correct. der Uhr	—	3	1.7
Sternzeit.............	13	22	56.0
Mittlere Wien. Zeit ...	9	42	45.9

1863. 17. Mai. ⊙ Dir. Schmidt.

Differenz (Com. — St.).

+ 1m 37.s87, 38.98	+ 2′ 7.″6
46.75, 47.73	+ 1 58.1
+ 1 42.83	+ 2 2.9

Stern.

Bonn. Z. C. + 47°; 779	3h 2m 58.s73	+ 47° 12′ 30.″1 (3.3)
Berl. M. B.	58.84	28.3 (2.2)

Angen.: $\frac{\text{Bonn} + \text{Berl}}{2}$

1863.0	3h 2m 58.s78	+ 47° 12′ 29.″2
Reduct. .	+ 1.04	+ 0.7
Differ. ..	+ 1 42 83	+ 2 2.9
eig. Bew.	0.00	— 0.3
Refr.....	+ 0.09	+ 1.5
Comet...	3 4 42.74	+ 47 14 34.0
Log. F. Par.	8.450	9.977

Comet —		Stern +	
12 58 44.5	3 0	12 55 24.5	42.0
13 1 1.0	42.8	57 42.7	25.7
4 53.5	11.5	13 1 35.0	51.7
7 12.0	53.8	3 50.0	32.5
11 7.5	25.5	7 48.2	7.0
13 27.2	10.0	10 2.5	44.5
17 15.0	32.0	13 56.7	15.0
19 36.5	19.5	16 8.0	50.5

	h	m	s
Mittel der Zeit	13	9	9.7
Corréct. der Uhr	—	3	4 0
Sternzeit.............	13	6	5.7
Mittlere Wien. Zeit ...	9	22	2.4

1863. 18. Mai. ☾ Dir. Schmidt.

Differenz (Com. — St.).

+ 3m 19.s10, 20.40, 22.00, 23.20	— 23′ 42.″6
+ 3 21.17	

Stern.

Radcl. 908	3h 6m 31.s19	+ 47° 30′ 57.″3
B. Z. C. + 47°; 792	31.17	61.1

Angen. $\frac{R + B}{2}$

1863.0	3h 6m 31.s18	+ 47° 30′ 59.″2
Reduct. .	+ 1.05	+ 0.3
Differ. ..	+ 3 21.17	— 23 42.6
eig. Bew.	+ 0.03	— 2.0
Refr.....	— 0.83	— 11.9
Comet...	3 9 52.60	+ 47 7 3.0
Log. F. Par.	8.526	9.967

Comet —		Stern +	
12 49 30.0	51.0	12 49 56.5	16.0
51 27.0	4.0	51 52.5	31.5
52 28.5	50.7	52 52.5	14.0
54 25.5	2.7	54 50.0	28.5
55 16.7	40.0	55 41.7	3.7
57 15.0	52.0	57 37.7	15.9
58 36.5	....	59 2.2	24.8
13 0 34.5	....	13 0 57.0	34.5

1863. 19. Mai. ♂ Dir. Schmidt.

Differenz (Com. — St.).

— 0m 26.s13, 24.40, 23.82, 23.25	— 26′ 33.″3
— 0 24.40	

	h	m	s
Mittel der Zeit	12	54	56.8
Correct. der Uhr	—	3	6.3
Sternzeit	12	51	50.5
Mittlere Wien. Zeit ...	9	3	53.7

Stern: Bonn. Z. C. +47° 817

1863.0	3^h 15^m 16.^s67	+47° 25′ 34.″6	
Reduct. .	+ 1.08	+ 0.3	
Differ. ..	— 0 24.40	— 26 33.3	
eig. Bew.	+ 0.05	— 1.1	
Refr.....	— 0.86	— 10.6	
Comet	3 14 52.54	+46 58 49.9	
Log. F. Par.	8.580	9.956	

Comet 1866 I.

Entdeckt von Tempel in Marseille am 19. December 1865.

Stern 1 —		Comet —	
h m s	s	h m s	s
1 28 37.7	6.3	1 28 57.0	45.5
34 34 8	57.6	34 32.5	37.0
Stern 1 +		**Comet +**	
36 34.3	5.6	36 48.0	19.5
41 32.5	1.7	43 49.0	9.5

	h	m	s
Mittel der Zeit	1	35	59.8
Correct. der Uhr	+ 1		52.0
Sternzeit	1	37	51.8
Mittlere Wien. Zeit ...	7	36	31.4

Comet —		Stern 2 —	
2 14 46.0	30.0	2 15 42.1	5.3
20 54.5	9.0	21 40.0	17.3
Comet +		**Stern 2 +**	
25 37.0	23.0	26 50.5	41.7
31 50.0	10.0	30 14.8	25.7

	h	m	s
Mittel der Zeit	2	23	17.5
Correct. der Uhr	+ 1		55.9
Sternzeit	2	25	13.4
Mittlere Wien. Zeit ...	8	23	45.2

1865. 21. December. ♃

Differenz (Com. — St. 1).

+0^m 6.^s40	— 2′ 37.″7
1 12.97	5 23.9
+ 0 39.69	— 4 0.8

Stern (Dupl. seq.)
Wien. Mikr. Vgl.

1865.0	21^h 2^m38.^s65	+71° 26′ 19.″9
Reduct. .	— 1.44	+ 35.8
Differ. ..	+ 0 39.69	— 4 0.8
eig. Bew.	+ 2.96	+ 0.5
Refr.....	0.00	— 0.1
Comet...	— 0 19.74	+71 22 55.3

Differenz (Com. — St. 2).

— 0^m 51.^s30	— 1 50.″9
+ 0 11.82	— 4 58.3
— 0 19.74	— 3 24.6

Stern 2.

Fed. 37.26	21^h6^m46.^s46	+71° 8′ 5.″3
Arg. Ö. 2182½	47.89	7 59.5

Bloss Arg. Ö. benützt.

1865.0	21^h6^m 47.^s89	+71° 7′ 59.″5
Reduct. .	— 1.15	+ 36.2
Differ. ..	— 0 19 74	— 3 24.6
eig. Bew.	+ 0.28	0.0
Refr.....	0.00	— 0 1
Comet...	21 6 27.28	+71 5 11.0
Im Mittel	21 4 53.57	+71 14 3.1
Red. auf M. d. Z.	0.70	+ 1.2
Comet ...	21 4 54.27	+71 14 4.3
Log. F. Par.	9.120	8.806

Stern — h m s	s	Comet — h m s	s
0 13 21.8	42.8	0 15 28.5	57.0
16 40.3	19.5	19 51.0	18.0

Stern +		Comet +	
0 21 7.3	26.1	0 23 57.5	32.5
24 36.3	18.2	27 49.5	18.0

	h m s
Mittel der Zeit.......	0 21 46.5
Correct. der Uhr	+ 2 34.6
Sternzeit	0 24 21.1
Mittlere Wien. Zeit....	6 19 16.6

Der Comet ist ein matter, verwaschener Nebel ohne scharfe Begrenzung, mit mässiger excentrischer Verdichtung, in der manchmal ein feines sternartiges Pünktchen aufzutauchen scheint. Er ist heute (wegen Nebel?) viel schwächer als gestern, jedoch sicherer zu pointiren.

Stern —		Comet +	
0 37 9.7	31.4	0 40 8.5	40.0
40 9.0	48.5	43 57.0	26.5
45 4.8	26.6	48 3.0	28.5
48 8.8	46.5	52 35.0	8.5

Stern +		Comet —	
16 37.5	53.6	2 22 50.0	17.0
20 21.0	4.5	26 28.0	55.5
27 27.8	6.5	33 1.5	29.5
29 36.9	0.6	36 58.5	23.0

	h m s
Mittel der Zeit	1 37 59.4
Correct. der Uhr	+ 2 37.7
Sternzeit.............	1 40 37.1
Mittlere Wien. Zeit....	7 35 20.3

1865. 22. December. ♀

Differenz (Com. — St.).

+ 2m 37.s53	+ 3′ 1.″4	
+ 3 2.40	— 0 17.0	
+ 2 49.97	+ 1 22.2	

Stern.

Piazzi XXI 415	22h 0m 54.s39	+ 62° 7′ 34.″8	(11.6)
Groomb. 3685	54.07	36.1	(6.6)
Tayl. 10270 ..	54.56	37.1	(2.4)
Rob. 4837. ..	54.67	38.2	(5.7)
Arg. O 23389	54.58	37.7	(1.1)
Radcl. 5560	54.23	37.1	(5.3)

angenom. $\frac{1}{5}$ (P. + G. + T. + Rob. + Rad.)

1865.0	22h 0m 54.s38	+ 62° 7′ 36.″7
Reduct...	+ 1.50	+ 38.9
Differ. ..	+ 2 49.97	+ 1 22.2
eig. Bew.	— 0.53	— 0.1
Refr.....	0.00	0.7
Comet...	22 3 45.32	+ 62 9 37.0
Log. F. Par.	8.742	9.129

1865. 22. December. ♀

Differenz (Com. — St.).

+ 3m 23.s35	+ 23′ 0.″2
3 42.07	+ 18 51.6
6 8.48	— 20 33.7
6 25.18	— 24 18.6
+ 4 54.77	— 0 45.1

Stern.

Piazzi XXI 416	22h 0m 59.s18	+ 61° 37′ 28.″1	(13.8)
Groomb. 3686.	59.06	24.6	(6.6)
Tayl. 10272 ..	59.10	27 7	(3.4)
Rob. 4839 ...	59.04	27.0	(3.5)
Geenw. 12 C. 1972	59.34	25.8	(2.10)
Arg. Ö. 23390	59.44	27.6	(1.1)
Radcl. 5561 ..	59.12	24.6	(4.4)

angen. $\frac{1}{6}$ (P. + G. + T. + Rob. + Gr. + Rad).

1865.0	22h 0m 59.s14	+ 61° 37′ 26.″3
Reduct. .	+ 1.54	+ 38.9
Differ. ..	+ 4 54.77	— 0 45.1
eig. Bew.	+ 0.47	+ 0.1
Refr	0.00	0.0
Comet ..	22 5 55.92	+ 61 37 20.2
Red. auf M. d. Z.	+ 1.14	— 0.6
Comet ..	22 5 57.06	+ 61 37 19.4
Log. F. Par.	8.867	8.096

Stern — h	m	s	s	Comet — h	m	s	s
3	13	45.6	55.0	3	14	44.5	54.0
	15	25.8	16.4		16	40.0	27.0
	17	15.3	26.0		18	14.0	25.0
	18	56.9	47.4		20	10.0	58.5
	20	34.6	44.2		21	34.0	43.5
	22	16.1	6.6		23	29.5	18.0
Stern +				**Comet +**			
3	25	18.3	26.7	3	26	28.5	39.0
	27	16.0	7.2		28	18.0	6.5
	29	5.3	14.1		30	15.0	26.5
	31	2.0	53.7		32	6.5	55.0
	32	35.4	43.8		33	44.5	56.0
	34	32.7	23.3		35	36.0	24.5

		h	m	s
Mittel der Zeit		3	25	6.5
Correct. der Uhr	—		5	24.5
Sternzeit		3	19	42.0
Mittlere Wien. Zeit....		8	11	14.4

Comet sehr verwaschen, aber unerwartet hell; Kern excentrisch, zuweilen aufblitzend.

1866. 7. Jänner. ⊙

Differenz (Com. — St.).

+ 1m 5.s68		
5.48	+ 2′ 8.″8	
5.87		
5.95		
6.97	+ 1 38.8	
6.45		
+ 1 6.07	+ 1 53.8	

Stern.

Wien M. Vgl.	23h33m51.s30	+ 3°40′ 26.″6
Leid. M. B.	51.27	21.4(2.2)

angen. ⅓ (W. + 2 L.)

1866.0	23h33m 51.s28	+ 3° 40′ 23″.1
Reduct...	— 0.08	+ 2.5
Differ....	+ 1 6.07	+ 1 53.8
eig. Bew.	0.00	— 0.1
Refr.....	+ 0.01	+ 0.1
Comet..	23 34 57.28	+ 3 42 19.4
Log. F. Par.	8.568	9.858

Comet + h	m	s	s	Stern + h	m	s	s
3	34	29.0	41.5	3	34	49.2	57.1
	36	15.0	4.5		36	44.1	35.8
	37	12.5	23.0		37	31.3	39.0
	38	56.5	45.0		39	25.3	17.2
	40	55.0	6.5		41	14.2	21.9
	42	39.0	28.0		43	8.0	59.3
Comet —				**Stern —**			
3	44	14.5	25.0	3	44	45.4	55.3
	46	1.5	51.5		46	17.4	7.6
	46	53.5	5.0		47	24.8	35.0
	48	42.5	30.5		48	58.1	47.9
	49	24.0	34.5		49	53.3	3.1
	51	11.0	59.5		51	27.3	17.5

		h	m	s
Mittel der Zeit		3	43	4.5
Correct. der Uhr	—		6	34.2
Sternzeit		3	36	30.3
Mittlere Wien. Zeit ...		8	16	12.3

Comet sehr verwaschen, Kern öfter aufblitzend.

1866. 10. Jänner. ♀

Differenz (Com. — St.).

— 0m 24.s05	
23.95	+ 2′ 4.″8
23.72	
23.30	
23.57	+ 1 47.3
23.05	
— 0 23.61	+ 1 56.1

Stern.

Wien M. Vgl.	23h37m17.s78	+ 1′ 24° 9.″3
Rümk. 11510	18.03	8.2
B. Z. 34 . .	18.33	9.4
Lal. 46503 .	17.90	11.2

Bloss W. Mikr. Vgl. benützt.

1866.0	23h37m17.s78	+ 1° 24′ 9.″3
Reduct...	— 0.11	+ 1.4
Differ....	— 0 23.61	+ 1 56.1
eig. Bew.	0.00	0 0
Refr.....	+ 0.01	+ 0.2
Comet .	23 36 54.07	+ 1 26 7.0
Log. F. Par.	8.585	9.867

Comet + h m s	s	Stern + h m s	s
4 8 56.0	8.0	4 9 15.9	24.3
10 37.5	25.5	11 2.3	54.6
11 25.5	36.0	11 44.5	53.0
13 5.5	54.0	13 31.0	22.3
13 54.0	4.5	14 14.1	22.1
15 34.5	22.5	15 59.1	51.6
Comet —		**Stern —**	
4 17 2.5	12.5	4 17 29.0	38.1
18 50.5	39.0	19 7.9	59.1
19 41.0	51.0	20 7.1	16.0
21 28.0	17.5	21 46.3	37.4
22 3.5	14.5	22 29.3	39.0
23 51.0	40.5	24 9.6	0 3

	h m s
Mittel der Zeit	4 16 24.0
Correct. der Uhr	— 6 34.2
Sternzeit.............	4 9 49.8
Mittlere Wien. Zeit ...	8 49 26.3

1866. 10. Jänner. ☿

Differenz (Com. — St.).

— 0m 22.s53	
22.45	+ 1' 9."8
22.85	
22.40	
22.32	+ 0 57.2
22.17	
— 0 22.46	+ 1 3.5

Stern wie früher.

1866.0	23h37m17.s78	+1° 24' 9."3
Reduct. .	— 0.11	+ 1.4
Differ. ..	— 0 22.46	+ 1 3.5
eig. Bew.	0.00	0.0
Refr.....	+ 0.02	+ 0 2
Comet	23 36 55.23	+ 1 25 14.4
Log. F. Par.	8.616	9.868

Stern +	s	Comet —	s
4 20 12.4	20.2	4 21 12.0	21.5
22 11.0	2.3	23 5.0	53.5
23 58.2	6.3	24 58.5	9.5
25 55.9	48.7	26 51.5	40.5

	h m s
Mittel der Zeit........	4 24 1.5
Correct. der Uhr	— 5 44.1
Sternzeit.............	4 18 17.4
Mittlere Wien. Zeit ...	8 46 4.8

An der Fortsetzung der Beobachtung hinderte eine eintretende Bewölkung.

1866. 13. Jänner. ♄

Differenz (Com. — St.).

+ 0m 56.s52	— 16' 23."5
57.72	
+ 0 57.12	

Stern.

Lal. 46512	23h37m26.s73	—0° 1' 48."6	[9]	(4.4)
Piazzi 168..	26.85	43.1	[8.9]	(4.4)
B. Z. 34 ...	27.39	46.3	[9]	(4.4)
Tayl. 10864	26.76	46.0	[8]	(5.9)
Rümk. 11519	27.09	47.3	[9]	(4.2)
Schjl. 9806.	26.52	47.7	[8]	(4.4)

angen. $\frac{\text{Schjl} + \text{T} + \text{P}}{3}$

1866.0	23h37m26.s71	—0° 1' 45."6
Reduct. .	— 0.16	+ 0.7
Differ. ..	+ 0 57.12	— 16 23.5
eig. Bew.	+ 0 05	— 0.3
Refr.....	— 0.31	— 3.0
Comet ..	23 38 23.31	— 0 18 11.7
Log. F. Par.	8.621	9.874

Comet +	s	Stern 1 —	s
3 1 11.0	22.5	3 3 23.8	1.6
3 7.0	56.5	5 12.3	3.7
5 56.5	7.0	8 8.4	17.2
7 53 5	43.0	9 58.2	50.3

1866. 15. Jänner C

Differenz (Com. — St. 1).

— 2m 8.s60	+ 17' 32."7
8.53	
— 2 8 57	

Stern 2 +		Comet —	
h m s	s	h m s	s
3 13 10.6	19.3	3 15 57.0	8.5
14 58.3	49.6	17 42 0	30.5
18 16.9	25.6	21 3.5	15.5
20 4.3	55.5	22 48.0	36.5

	h m s
Mittel der Zeit	3 11 57.4
Correct. der Uhr......	— 4 33.0
Sternzeit.............	3 7 24.4
Mittlere Zeit.........	7 27 31.6

Comet wegen Nebel sehr schwach und wegen verwaschenen Aussehens schlecht zu beobachten. Kern zuweilen auf blitzend. Das letzte Mal sah ich den Cometen am 8. Februar; er war jedoch schon zu schwach, um ihn beobachten zu können.

Differenz (Com. — St. 2).

$+2^m$ 45.^{s}05 } 45.30 } — 19′ 57.″0

+ 2 45.18

Stern. 1.

Lal. 46628	23^{h}41^{m}19.^{s}84	— 1°31′4″.8[8½] —
B. Z. 112	19.82	8.3[8] —
Lam. 9313	20.26	7.2[9](10)

Bloss Lam. benützt.

1866.0	23^{h}41^{m}20.^{s}26	—1° 31′ 7.″2
Reduct...	— 0.17	0.0
Differ. ..	— 2 8.57	+ 17 32.7
eig. Bew.	— 0.04	+ 0.4
Refr.....	+ 0.10	+ 1.4
Comet...	23 39 11.58	— 1 13 32.7

Stern 2.

Lal. 46478	23^{h}36^{m}25.^{s}63	— 0°53′53.″1[9]...
Weisse I. 112	25.93	52.4[8.9](2,2)
Lam. 9289 .	26.00	55.1 [9] (3)

Angen. $\frac{W + Lam.}{2}$

1866.0	23^{h}36^{m}25.^{s}97	— 0° 53′ 53.″9
Reduct. .	— 0.19	+ 0.4
Differ. ..	+ 2 45.18	—19 57.0
eig. Bew.	+ 0.05	— 0.2
Refr. ...	— 0.11	— 1.5
Comet...	23 39 10.90	— 1 13 52.2
Im Mittel	23 39 11.24	— 1 13 42.4
Log. F. Par.	8.544	9.878

Comet 1867 I.

Entdeckt von Stephan in Marseille am 25. Jänner 1867.

Stern 1 —		Comet +	
5 59 49.7	57.4	6 0 24.5	35.5
6 1 54.3	46.4	2 25.0	14.5
6 25.6	34.2	7 1.5	13.0
8 31 2	23.5	8 62.0	51.0
9 47.5	55.3	10 25.0	36.5
11 53.2	45.7	12 25.5	13.0
13 12.4	20.0	13 51.5	63.0
15 18.3	10.8	15 46.5	36.0

1867. 4. Februar. C

Differenz (Com. — St. 1).

$+0^m$ 32.^{s}93 } 33.25 } 34.57 } 33.87 } + 16′ 18.″9

+ 0 33.66

Stern 2 +		Comet —	
h m s	s	h m s	s
6 20 59.5	72.4	6 21 48.0	58.5
22 33.9	22.5	23 53.5	42.5
24 27.6	39.4	25 15.5	26.0
25 60.8	49.3	27 22.0	10.5
27 58.5	70.3	28 45.5	55.0
29 30.2	18.6	30 53.5	43.0
31 32.4	44.3	32 18.5	29.5
32 63.3	51.4	34 28.0	15.5

	h m s
Mittel der Zeit	6 18 30.3
Correct. der Uhr	+ 23 27.6
Sternzeit	6 41 57.9
Mittlere Wien Zeit	9 43 49.2

Der Comet ist sehr schwach und verwaschen; in der Verdichtung blitzen zahlreiche fixsternartige Pünktchen auf, so dass die Beobachtung sehr unsicher ist.

Differenz (Com. — St. 2).

$+1^m$ $3.^s55$	
4.23	—19′ 51.″0
4.85	
5.03	
+ 1 4.41	

Stern 1 (Wien Mikr.-Vgl.).

1867.0	2^h 55^m $34.^s83$	+19° 48′ 45.″9
Reduct.	+ 0.50	— 3.9
Differ.	+ 0 33.66	+16 18.9
eig. Bew.	+ 0.05	+ 1.8
Refr.	+ 0.03	+ 0.5
Comet	2 56 9.07	+20 5 3.2

Stern 2.

Weisse II. 1307:	$2^m55^h7.^s36$	+20°25′41.″7
Wien M. Vgl.	7.05	36.7

Angen. $\frac{\text{Weisse} + \text{W.M.Vgl.}}{2}$

1867.0	2^h 55^m $7.^s21$	+20° 25′ 39.″2
Reduct.	+ 0.50	— 3.7
Differ.	+ 1 4.41	—19 51.0
eig. Bew.	— 0.04	— 2.6
Refr.	— 0.05	— 0.7
Comet.	2 56 12.03	+20 5 41.2
Im Mittel	2 56 10.55	+20 5 22.2
Log. F. Par.	8.596	9.759

Comet 1867 II.

Comet —		Stern —	
14 49 18.5	29.5	14 50 10.5	20.4
51 10.0	59.0	51 46.3	36.3
52 17.5	28.0	53 8.3	17.5
54 11.0	0.5	54 48.0	38.2
56 14.5	24.0	57 4.5	14.0
58 12.0	2.0	58 48.6	39.7
Comet +		**Stern +**	
15 1 56.5	6.0	15 2 35.4	43.0
3 44.5	33.5	4 33.0	25.2
5 18.0	28.0	5 56.5	4.4
7 1.5	51.0	7 50.5	42.6
8 29.0	40.0	9 7.5	16.1
10 9.0	58.0	11 0.0	51.4

1867. 24. April. ☿

Differenz (Com. — St.).

-0^m $44.^s13$	
43.75	+ 2′ 7.″0
43.57	
44.02	
43.87	+ 2 12.4
44.75	
—0 44.01	+ 2 9.7

Stern.

Weisse I. 137	15^h9^m $6.^s44$	—1°51′38.″6	(1.1)
Lam. 4665	6 20	35.1	(2)
Bonn. Z. C.—1°, 3042	6.24	38.2	(3.3)
Berl. M. B.	6.25	37.2	(1.1)

	h m s
Mittel der Zeit	14 59 50.0
Correct. der Uhr	— 3 31.2
Sternzeit	14 56 18.8
Mittlere Wien. Zeit ...	12 46 12.5

Comet +		Stern +	
h m s	s	h m s	s
15 18 17.5	27.5	15 18 54.6	3.5
19 56.1	45.6	20 45.8	37.5
21 12.5	23.2	21 49.5	58.0
22 48.0	36.5	23 37.5	28.8
Comet —		**Stern —**	
15 25 8.5	17.0	17 25 59.5	9.6
26 58.0	48.7	27 34.5	24.5
28 12.5	22.5	29 3.1	12.5
30 6.5	56.0	30 42.6	33.0
31 18.5	27 8	32 9.0	18.0
33 14.5	5.0	33 52.5	43.5
Comet +		**Stern +**	
15 34 46.5	57.0	15 35 24.0	32.2
36 21.0	9.5	37 12.0	3.2

	h m s
Mittel der Zeit	15 27 21.5
Correct. der Uhr	— 3 31.2
Sternzeit	15 23 50.3
Mittlere Wien. Zeit	13 13 39.5

Comet —		Stern —	
14 22 13.5	22.8	14 22 38.3	46.2
23 58.5	48.7	24 31.3	22.6
25 7.5	19.0	25 31.8	41.0
26 55.5	45.5	27 28.0	19.7
27 57.7	7.0	28 23.3	31.2
29 48.0	38 0	30 21.1	12.3
Comet +		**Stern +**	
14 31 23.5	33.5	14 31 57.7	8.2
33 13.0	3.3	33 36.2	25.9
34 4.4	14.5	34 38.3	49.3
35 51.0	40.3	36 14.2	3.7
36 49.3	1.3	37 25.4	37.2
38 34.5	24.5	38 56.3	46.2

angen. ½ (Berl. + Bonn.)

1867.0	15h 9m 6.s24	— 1° 51′ 37.″7
Reduct. .	+ 2.01	— 3.2
Differ. ..	— 0 44 01	+ 2 9.7
eig. Bew.	0.00	0.0
Refr.....	0.00	0.0
Comet ..	15 8 24.24	— 1 49 31.2
Log. F. Par.	7.370n	9.885

1867. 24. April. ☿ Murmann.

Differenz (Com. — St.).

—0m 43.s67, 43.40	+ 2′ 3.″9
43.98, 43.42, 44.30	+ 2 13.5
44.35	+ 2 8.4
— 0 43.85	+ 2 9.5

Stern wie früher.

1867.0	15h 9m 6.s24	— 1° 51′ 37.″7
Reduct. .	+ 2.01	— 3.2
Differ. ..	— 0 43.85	+ 2 9.5
eig. Bew.	0.00	0.0
Refr....	0.00	+ 0.1
Comet..	15 8 24.40	— 1 49 31.3
Log F. Par.	7.463	9.885

1867. 30. April. ♂

Differenz (Com. — St.).

—0m 28.s72, 28.25, 29.30	— 1′ 40.″4
28.67, 28.83, 28.90	— 1 37.5
— 0 28.78	— 1 39.0

	h	m	s
Mittel der Zeit	14	30	29.8
Correct. der Uhr	—	4	45.3
Sternzeit	14	25	44.5
Mittlere Wien. Zeit	11	52	8.0

Der Comet ist ein sehr verwaschener Nebel mit ziemlich schönem nsternartigem Kerne.

Stern + h m s	s	Comet + h m s	s
13 50 18.6	26.1	13 52 24.5	35.5
52 16.3	8.1	54 5.0	53.5
54 48.7	57.3	56 56.5	8.0
56 43.3	35.2	58 29.5	19.0
59 38.3	46.4	14 1 46.5	59.0
14 1 28.2	19.3	3 15.5	3.5
4 24.5	32.1	6 30.0	41.5
6 21.1	13.4	8 10.0	58.5

Stern —		Comet —	
14 10 25.8	37.2	14 12 11.0	21.0
11 54.0	42.5	14 4.0	53.6
14 41.8	53.0	16 28.5	38.0
16 17.0	6.2	18 24.5	15.0
19 41.2	50.3	21 29.9	38.5
21 22.1	12.3	23 28.0	18.7
24 38.3	47.2	26 27.5	36.0
26 25.0	16 1	28 31.0	21.7

	h	m	s
Mittel der Zeit	14	10	6.4
Correct. der Uhr	—	6	17.7
Sternzeit	14	3	48.7
Mittlere Wien. Zeit ...	11	6	40.1

Comet —		Stern —	
14 1 8.6	19.0	14 2 53.3	3.1
2 51.0	40.5	4 34.1	24.7
5 30.7	41.0	7 16.2	25.9
7 10.5	59.5	8 54.2	43.8
9 48.4	59.0	11 33.4	42.3
11 32.2	21.5	13 16.2	6.3
14 16.4	26.5	16	11.3
16 1.3	49.5	17 45.5	35.2

Stern (Dubl. Observ.)

1867.0	$15^h\ 8^m\ 18.^s31$	$-1°\ 57'\ 9.''9$
Reduct. .	+ 2.09	— 2.9
Differ. ..	— 0 28.78	— 1 39.0
eig. Bew.	0.00	0.0
Refr. ...	0.00	— 0.1
Comet ..	15 7 51.62	—1 58 51.9
Log. F. Par.	7.921_n	9.885

1867. 6. Mai. ☾

Differenz (Com. — St.).

$+1^m\ 57.^s35$ 57.12 58.08 57.22	$+ 3'\ 21.''1$
57.72 57.00 57.30 57.40	+ 3 19.6
+1 57.40	+ 3 20.4

Stern (Wien. Mikr. Vgl.)

1867.0	$15^h\ 4^m\ 47.^s84$	$-2°\ 22'\ 1.''3$
Reduct.	+ 2.15	— 2.7
Differ. ..	+ 1 57.40	+ 3 20.4
eig. Bew.	0.00	+ 0.1
Refr.	0.00	+ 0.1
Comet .	15 6 47.39	— 2 18 43.4
Log. F. Par	8.079_n	9.887

1867. 7. Mai. ♂

Differenz (Com. — St.).

$-1^m\ 44.^s02$ 44.60 44.02 44.82	$+ 0'\ 7.''0$
43.65 43.82 43.65 44.10	+ 0 4.7
— 1 44.08	+ 0 5.8

Comet +		Stern +	
h m s	s	h m s	s
14 19 6.5	18.5	14 20 50.6	0.1
20 45.5	33.5	22 28.7	19.2
23 0.6	13.3	24 44.8	56.2
24 31.3	18.0	26 14.0	3.4
27 11.5	22.5	28 55.2	5.0
28 44.5	32.5	30 28.0	17.4
31 7.5	18.5	32 51.5	2.1
32 41.5	29.5	34 25.1	14.7

	h m s
Mittel der Zeit	14 17 12.9
Correct. der Uhr	— 6 37.0
Sternzeit..............	14 10 35.9
Mittlere Wien. Zeit....	11 9 30.3

Stern 1 —		Comet +	
14 57 37.8	48.2	14 59 23.0	33.5
59 5.3	54.4	61 2.0	51.5
15 2 0.0	9.6	15 3 43.5	56.5
3 26.1	16.5	5 24.0	12.5
6 0.0	11.1	7 47.3	58.5
7 30.2	19.3	9 26.0	14.0
10 4.4	15.3	11 47.5	59.5
11 31.0	19.8	13 29.0	17.5

Stern 2 +		Comet —	
15 14 47.4	59.3	15 15 37.5	48.0
16 10.0	59.2	17 26.5	17.0
18 22.2	33.3	19 15.0	25.0
19 46.2	35.3	21 1.5	52.5
21 42.5	53.1	22 37.0	46.5
23 8.9	57.5	24 23.0	13.5
25 14.6	26.1	26 9.0	18.5
26 41.1	30.3	27 53.5	44.0

	h m s
Mittel der Zeit	15 14 9.2
Correct. der Uhr	— 15 23.7
Sternzeit.	14 58 45.5
Mittlere Wien. Zeit....	10 34 57.9

*) In den A. N. Bd. 69 p. 315 ist die AR. des Sternes: 50.s48 statt 40.s48 angenommen.

Stern.

Bonn. M. B.	$15^h8^m16.^s39$	$-2°23'22.''2$	(3)
Berl. M. B.	16.78	27.5	(2)
Pulk. M. B.	16.42	23.5	..

angen. ⅓ (Bonn. + Berl. + P.)

1867.0	$15^h\ 8^m16.^s53$	$-\ 2°\ 23'\ 24.''4$
Reduct. .	+ 2.16	— 2.4
Differ. ..	— 1 44.08	+ 0 5.8
eig. Bew.	0.00	0.0
Refr.....	0.00	0.0
Comet .	15 6 34.61	— 2 23 21.0
Log. F. Par.	8.031_n	9.887

1867. 28. Mai. ♂

Differenz (Com. — St. 1).

$+1^m\ 51.^s07$	
51.08	$+23'\ 18.''8$
51.50	
50.75	
+ 1 51.05	

Differenz (Com. — St. 2).

$+1^m\ 3.^s27$	
4.25	$-22'\ 28.''1$
4.50	
3.22	
+ 1 3.81	

Stern 1.

Bonn. M. B.	$15^h1^m48.^s22$	$-5°38'49.''4$	(2)
Berl. M. B.	48.18	50.6	(2)
Dubl. M. B.*)	48.16	50.0	(6)

angen. ⅓ (Bonn. + Berl. + D.)

1867.0	$15^h\ 1^m48.^s19$	$-\ 5°38'\ 50.''0$
Reduct. .	+ 2.31	— 1.7
Differ. ..	+ 1 51.05	+ 23 18.8
eig. Bew.	— 0.02	0.0
Refr. ...	0.00	+ 1.1
Comet...	15 3 41.53	— 5 15 31.8

Stern 2.

Lal. 27589	$15^h2^m36.^s35$	$-4°52'58.0$	8 ..
Weisse I. 10	36.35	57.8	7 ..
Sant. Z.—4°;312	36.20	58.0	8.9(3)
Berl. M. B.	35.80	58.0	.. (2)

angen: ½ (2 B. + S.)

1867.0	$15^h 2^m 35.^s93$	− 4° 52′ 58.″0
Reduct...	+ 2.30	− 1.5
Differ. ..	+ 1 3.81	−22 28.1
eig. Bew.	+ 0.02	0.0
Refr.....	0.00	− 1.1
Comet .,	15 3 42.06	− 5 15 28.7
Im Mittel.	15 3 41.80	− 5 15 30.3
Log. F. Par.	6.988_n	9.905

Comet 1867 III.

Entdeckt am 26. August 1867 von Winnecke in Karlsruhe.

Stern − h m s	s	Comet + h m s	s
23 58 25.8	38.3	0 0 42.5	58.5
0 1 27.2	14.4	3 50.0	28.7
4 37.2	49.3	6 53.5	12.5
7 37.0	24.2	10 3.0	45.5
11 2.2	14.1	13 19.0	33.5
14 0.3	47.8	16 32.5	13.0
17 16.4	28.3	19 35.5	52.0
20 12.1	59.3	22 46.5	30.0

	h m s
Mittel der Zeit	0 11 42.3
Correct. der Uhr	+ 4 6.9
Sternzeit	0 15 49.2
Mittlere Wien. Zeit ...	11 39 1.8

1867. 30. September ☾

Differenz (Com. — St.).

$+ 2^m 18.^s50$	
21.70	+ 15′ 38.″2
23.40	
26.97	
+ 2 22.64	

Stern Arg. Ö. 10887

1867.0	$10^h 22^m 42.^s80$	+ 50° 21′ 36.″1
Reduct. .	+ 0.12	− 17.7
Differ. ..	+ 2 22.64	+ 15 38.2
eig. Bew.	− 0.07	+ 13.4
Refr. ...	− 0.37	+ 5.5
Comet...	10 25 5.12	+ 50 37 15.5
Log. F. Par.	8.510_n	9.968

Stern +		Comet +	
22 29 34.5	50.3	22 33 0.5	15.0
31 56.1	39.4	36 5.5	50.0
37 22.3	39.2	40 52.0	8.5
39 44.8	27.4	43 59.0	43.5
44 52.4	8.2	48 25.0	42.0
47 14.9	58.8	51 34.0	16.0

Stern −		Comet −	
23 58 17.2	27.7	0 3 12.5	30.5
0 1 31.3	20.4	5 48.5	25.0
6 35.3	46.2	11 36.6	56.0
9 49.1	38.0	14 9.5	48.5
14 52.4	3.5	19 59.5	16.5
18 5.0	53.8	22 30.0	7.0

1867. 2. October. ☿

Differenz (Com. — St.).

$+ 3^m 47.^s67$	
52.32	− 4′ 35.″3
55.67	
+ 4 34.98	
40.50	− 5 56.2
44.57	
+ 4 15.95	− 5 15.7

	h	m	s
Mittel der Zeit	23	27	35.5
Correct. der Uhr	+	2	28.9
Sternzeit	23	30	4.4
Mittlere Wien. Zeit ...	10	45	32.7

Comet +		Stern —	
h m s	s	h m s	s
20 54 37.5	52.0	20 56 4.2	14.4
57 36.0	23.0	59 3.1	51.7
21 1 37.5	51.0	21 3 0.8	11.0
4 36.0	21.0	6 1.1	50.4
9 1.5	15.0	10 20.2	30.4
12 2.0	47.5	13 21.1	10.3
15 20.5	35.0	16 34.4	44.5
18 19.5	5.0	19 38.0	27.4
21 25.5	37.5	22 32.5	43.0
24 20.5	6.5	25 38.1	27.2
26 17.5	30.5	27 24.6	35.1
29 15.5	2.5	30 30.0	19.3

	h	m	s
Mittel der Zeit	21	12	52.3
Correct. der Uhr	+	1	10.6
Sternzeit	21	14	2.9
Mittlere Wien. Zeit ...	8	14	9.8

Comet wegen Mondschein ungemein schwach

Stern Arg. Ö. 11203

1867.0	10h 45m 39.s56	+49° 56′ 13.″7
Reduct...	— 0.04	— 16.6
Differ. ..	+ 4 15.95	—5 15.7
eig. Bew.	+ 0.02	+ 4.0
Refr. ...	+ 0.07	— 3.3
Comet ..	10 49 55.56	+49 50 42.1
Log. F. Par.	8.078n	9.993

1867. 6. October. ⊙

Differenz (Com. — St.).

— 1m 26.s22	
24.45	+12′ 36.″5
19.00	
16.08	
12.70	+11 28.3
10.75	
— 1 18.20	+12 2.4

Stern 7.9 (Bonn. Z. C. + 46°. 1747).

1867.0	11h41m34.s60	+46° 52′ 2.″5
Reduct. .	— 0.16	— 12.1
Differ. ..	— 1 18.20	+ 12 2.4
eig. Bew.	— 0.15	+ 15.9
Refr.....	+ 0.40	+ 4.8
Comet...	11 40 16.49	+ 47 4 13.6
Log. F. Par.	8.590	9.954

Comet Brorsen 1868 I.

Stern —		Comet —	
11 0 25.0	33.0	11 1 57.2	10.0
2 39.1	31.1	3 48.0	33.5
4 24.7	34.0	5 58.5	11.0
6 39.9	32.0	7 51.0	38.2
8 13.1	21.0	9 47.0	58.0
10 28.0	20.5	11 41.0	28.6
Stern +		**Comet +**	
11 13 32.0	43.0	11 14 41.0	50.0
15 9.0	58.0	16 47.0	36.6
17 12.0	24.0	18 22.3	31.1
18 46.7	35.7	20 27.4	16.2
20 54.1	5.5	22 5.1	14.0
22 27.0	15.7	24 8.0	56.1

1868. 25. April. ♄ Dir. Karlinski.

Differenz (Com. — St.).

+ 1m 20.s13	
22.03	— 3′ 33.″3
23.00	
23.15	
24.65	— 2 54.9
25.22	
+ 1 23.03	— 3 14.1

	h	m	s
Mittel der Zeit	11	13	7.4
Correct. der Uhr	—	0	21.6
Sternzeit.............	11	12	45.8
Mittlere Wien. Zeit ...	8	56	21.8

Stern.

			Epoche
Lal 827 ♀	$4^h17^m42.^s50$	$+31°8'24.''0$	$5\frac{1}{2}$-6(2.2)(0.0,0.0)
Piazzi IV. 69	42.09	25.2	6.7(6.6)(0.0, 0.0)
Tayl. 1529	41.58	20.0	6.7(5.5)(35.0.35.0)
Rob. 936	41.58	17.8	$6\frac{1}{2}$ (2.1)(42.0,54.0)
Greenw. 12 C. 368	41.83	21.1	. (6.4)(43.5,41.2)
Rümk. N. F. 2271	42.21	21 9	6.7(3.3)(46.0,46.0)
Bonn.Z.C.31°,776	42.43	18.4	5.5(1.1)(64.1,64.1)
Leid. M. B.	42.51	17.9	.. (2.2)(69 69)

Da der Stern sowohl in AR. als auch in Decl. eine geringe Eigenbewegung zu haben scheint, wurde bloss

angen.: $\frac{1}{3}$ (Bonn. + 2 Leid.)

1868.0	$4^h17^m42.^s48$	$+31°\ 8'\ 18.''1$
Reduct. .	— 0.72	+ 7.3
Differ. ..	+ 1 23.03	— 3 14.1
eig. Bew.	+ 0.01	+ 0.5
Refr.....	— 0.06	— 0.5
Comet...	4 19 4.74	+ 31 5 11 3
Log. F. Par.	8.702	9.857

Comet Winnecke 1869 I.

Comet +		Stern +	
h m s	s	h m s	s
12 1 51.0	5.0	12 2 13.4	22.0
4 16.0	3.0	4 42.0	31.9
5 25.5	39.0	5 51.4	0.5
7 52.0	39.0	8 18.1	8.8
8 53.0	5.5	9 18.3	27.2
11 19.0	6.5	12 44.6	35.7
Comet —		**Stern —**	
12 39 4.5	15.5	12 39 37.5	46.3
41 25.5	13.5	41 52.0	41.6
42 52.5	4.5	43 23.0	32.4
45 15.0	3.5	45 37.3	27.7
46 34.5	46.5	47 4.5	14.1
48 57.5	46.0	49 21.1	11.3

	h	m	s
Mittel der Zeit	12	25	18.9
Correct. der Uhr	+	1	23.5
Sternzeit.............	12	26	42.4
Mittlere Wien. Zeit ...	9	55	20.1

1869. 29. April. ♃

Differenz (Com. — St.).

$-0^m\ 23.^s58$	
25.82	$+\ 0'\ 52.''6$
25.45	
29.60	
26.22	$+\ 0\ \ 45.0$
26.62	
— 0 26.21	+ 0 48.8

Stern.

Wien. Mikr. Vgl.	$10^h0^m50.^s04$	$+36°33'48.''4$
Lund Mikr. Vgl.	49.76	50.8

angen.: $= \frac{W + L}{2}$

1869.0	$10^h\ 0^m49.^s90$	$+36°33'\ 49.''6$
Reduct. .	+ 0.41	+ 2.1
Differ. ..	— 0 26.21	+ 0 48.8
eig. Bew.	0.00	0.0
Refr.....	0.00	0.0
Comet. . .	10 0 24.10	+ 36 34 40.5
Log. F. Par	8.518	9.446

Der Comet wurde das erste Mal am 12 April mit Sicherheit gesehen, aber so schwach, dass er nicht beobachtet werden konnte. Am 29. April erschien er als eine grosse verwaschene Masse, excentrisch (folgend) verdichtet; im Innern tauchten öfters helle Punkte auf.

Stern +		Comet +	
h m s	s	h m s	s
12 50 6.7	15.8	12 52 5.5	17.5
52 40.2	30.4	54 30.0	19.0
55 28.4	38.0	57 27.5	39.5
58 1.0	51.8	59 50.0	39.5
13 0 32.4	41.6	13 2 31.0	42.5
3 4.2	55.3	4 51.5	40.5
5 44.4	53.4	7 41.5	54 0
8 14.0	5.2	10 5.5	53.5

Stern —		Comet —	
13 20 13.6	24.3	13 21 59.5	11.5
22 29.2	18.4	24 31.5	19.5
25 14.7	25.1	26 57.5	9.5
27 30.2	19.3	29 30.0	17.5
30 12.2	23.0	31 57.5	9.5
32 28.9	18.3	34 28.5	16.0
35 12.3	23.0	36 56.0	7.5
37 29.2	18 4	39 29.0	16.5

	h m s
Mittel der Zeit	13 15 25.8
Correct. der Uhr	+ 0 56.1
Sternzeit	13 16 21.9
Mittlere Wien. Zeit	10 36 59.7

Comet sehr verwaschen, indess besser als am 29. April zu beobachten; besonders hat die excentrische Verdichtung an Bestimmtheit und Begrenzung zugenommen. Aussehen noch gekörnt.

Comet —		Stern —	
14 35 8.0	21.0	14 36 12.8	23.2
37 30.0	16.6	38 31.2	20.7
39 2.5	14.0	40 6.3	16 9
41 25.0	13.5	42 25.2	14.3
43 2.5	16.5	44 8.7	19.2
45 26.5	14.0	46 27.2	16.4

1869. 1. Mai. ♄

Differenz (Com. — St.).

+ 1ᵐ 54ˢ.72 54.33 53.00 54.38	+ 2′ 7″.0
54.17 51.30 52.28 51.52	+ 2 27.3
+ 1 53.43	+ 2 17.2

Stern. Weisse II. 1175.

1869.0	$9^h56^m15.^s65$	+36° 38′ 54.″7
Reduct. .	+ 0.35	+ 2.3
Differ. ..	+ 1 53.43	+ 2 17.2
eig. Bew.	0.00	+ 0.2
Refr. ...	0.00	0.0
Comet ..	9 58 9.43	+36 41 14.4
Log. F. Par.	8.625	9.531

1869. 10. Mai. C

Differenz (Com. — St.).

— 1ᵐ 3ˢ.23 1.93 3.00	+ 0′ 20.″5
1.83 4.05 2.85	+ 0 3.3
— 1 2.82	+ 0 11.9

Comet +		Stern +	
h m s	s	h m s	s
14 47 29.0	14.0	14 48 33.1	43.9
49 46.5	31.5	50 46.2	35.1
51 17.0	31.0	52 21.3	32.5
53 31.5	16.5	54 34.8	23.6
55 57.5	11.5	57 1.3	12.7
58 9.5	55.5	59 11.3	0.1

	h m s
Mittel der Zeit	14 46 28.8
Correct. der Uhr	— 4 40.5
Sternzeit	14 41 48.3
Mittlere Wien. Zeit . . .	11 26 28.9

Stern, Wien. Mikr. Vgl.

1869.0	$9^h 51^m 1.^s50$	$+36° 55' 39.''9$
Reduct.	+ 0.15	+ 3.0
Differ. . .	— 1 2.82	+ 0 11.9
eig. Bew.	0.00	0.0
Refr	0.00	0.0
Comet . .	9 49 58.83	+36 55 54.8
Log. F. Par.	8.725	9.677

Mai 6. war der Comet recht hell, aber nicht zu beobachten, weil er vor einem Sternchen 10 mg. stand.

Stern +		Comet +	
14 34 19.3	29.1	14 38 35.0	47.5
36 40.0	30.4	40 44.0	30.5
41 24.8	35.1	45 40.0	52.5
43 45.2	34.9	47 48.0	35.5
48 57.3	7.5	53 12.0	25.5
51 16.6	6.7	55 23.0	7.5
Stern —		**Comet —**	
14 58 12.8	23.2	15 2 14.0	25.5
15 0 15.1	3.9	4 34.5	21.5
5 25.6	37.2	9 26.5	39.0
7 31.0	18.9	11 47.5	35.0
12 33.9	45.1	16 35.5	49.5
14 40.2	28.0	18 58.5	46.0

	h m s
Mittel der Zeit	14 58 44.8
Correct. der Uhr	— 6 45.1
Sternzeit	14 51 59.7
Mittlere Wien. Zeit . . .	11 29 6.8

1869. 12. Mai. ☿

Differenz (Com. — St.).

$+ 4^m\ 9.^s55$	
9.00	$+ 1'\ 57.''7$
9.97	
10.13	
8.82	+ 1 56.6
10.58	
+ 4 9.68	+ 1 57.2

Correct. weg. Uhrgang.: — $0.^s13$

Stern Weisse II. 918, 19, 20.

1869.0	$9^h 44^m 24.^s03$	$+36° 55' 3.''4$
Reduct. . .	+ 0.10	+ 3.0
Differ. . .	+ 4 9.55	+ 1 57.2
eig. Bew.	0.00	+ 0.1
Refr.	+ 0.01	+ 0.1
Comet . . .	9 48 33.69	+36 57 3.8
Log. F. Par.	8.730	9.697

Stern +		Comet +	
14 31 36.8	46.0	14 34 31.5	46.5
34 1.1	51.3	36 47.5	32.5
37 17.3	26.5	40 14.5	25.5
39 40.6	30.7	42 23.5	11.0
43 36.2	46.1	46 31.5	44.0
45 59.1	48.7	48 43.0	30.5

1869. 14. Mai. ♀

Differenz (Com. — St.).

$+ 2^m\ 50.^s70$	
49.85	$+ 2'\ 0.''4$
49.92	
49.25	
49.32	+ 2 10.2
48.62	
+ 2 49.61	+ 2 5.3

Stern —		Comet —	
h m s	s	h m s	s
14 49 48.4	0.2	14 52 27.3	40.5
51 49.3	37.4	54 49.0	35.5
55 19.3	31.0	57 59.0	12.5
57 20.2	8.2	60 19.0	5.5
60 55.7	7.2	63 34.5	47.5
62 57.3	45.3	65 55.5	42.5

	h m s
Mittel der Zeit........	14 50 21.3
Correct. der Uhr	— 8 21.0
Sternzeit	14 42 0.3
Mittlere Wien. Zeit....	11 11 17.2

Comet —		Stern —	
15 19 59.5	11.0	15 26 34.3	43.3
22 10.5	58.0	29 1.3	52.4
29 52.5	3.0	36 24.5	33.2
32 0.5	47.5	38 54.8	44.7
Comet +		**Stern +**	
15 40 9.0	21.5	15 47 5.3	16.2
42 31.0	18.5	49 0.7	48.8
49 36.0	48.0	56 31.7	43.4
51 57.5	44.5	58 26.8	14.7

	h m s
Mittel der Zeit	15 36 1.8
Correct. der Uhr	— 1 15.8
Sternzeit.............	15 34 46.0
Mittlere Wien. Zeit....	11 8 51.5

Comet recht hell, das erste Mal Schweifspuren an ihm bemerkt.

Stern +		Comet +	
14 42 18.7	28.3	14 44 12.5	23.5
44 40.1	30.6	46 40.5	29.0
47 12.3	21.5	49 5.0	16.3
49 33.0	23.2	51 34.0	23.5
52 6.3	15.3	54 0.0	11.5
54 26.7	17.3	56 27.0	16.0
Stern —		**Comet —**	
14 57 50.4	59.2	14 59 50.0	57.5
15 0 18.9	10.4	15 2 14.0	3.5
2 53.6	2.3	4 51.0	1.0
5 23.2	14.3	7 15.5	7.0
8 4.4	13.4	10 1.5	12.5
10 33.5	24.3	12 28.5	17.5

Stern (= Stern vom 12. Mai).

1869.0	9h 44m 24.s03	+ 36° 55′ 3.″4
Reduct. .	+ 0.05	+ 3.1
Differ. ..	+ 2 49.61	+ 2 5.3
eig. Bew.	0.00	+ 0.1
Refr.....	0.01	+ 0.1
Comet...	9 47 13.70	+ 36 57 12.0
Log. F. Par.	8.728	9.684

1869. 28. Mai. ☿

Differenz (Com. — St.).

— 6m 43.s08 43.42	— 3′ 13.″2
42.75 42.65	— 3 8.4
— 6 42.98	— 3 10.8

Stern (= Stern vom 12. Mai).

1869.0	9h 44m 24.s03	+ 36° 55′ 3.″4
Reduct. .	— 0.19	+ 3.6
Differ. ..	— 6 42.98	— 3 10.8
eig. Bew.	0.00	— 0.1
Refr.....	— 0.02	— 0.1
Comet...	9 37 40.84	+ 36 51 56.0
Log. F. Par.	8.744	9.773

1869. 4. Juni. ♀

Differenz (Com. — St.).

+ 1m 56.s95 57.20 57.23	— 0′ 57.″0
56.52 55.28 56.10	— 0 53.1
+ 1 56.55	— 0 55.1

	h m s
Mittel der Zeit	14 58 13.3
Correct. der Uhr	— 1 25.4
Sternzeit	14 56 47.9
Mittlere Wien. Zeit	10 3 28.3

Comet + h m s	s	Stern + h m s	s
15 8 43.2	56.8	15 9 35.4	46.2
10 34.8	22.3	11 49.1	38.2
12 21.7	32.7	13 13.5	24.3
14 9.4	57.4	15 26.3	15 4
15 56.8	7.9	16 47.8	59.4
17 43.0	31.6	19 0.2	49.3

Comet —		Stern —	
15 19 46.3	57.0	15 21 0.8	17.2
21 53.8	42.5	22 44.0	29.2
23 29.3	41.5	24 44.3	59.5
25 37.8	26.5	26 29.3	14.0
26 58.8	9.3	28 14.1	29.4
29 7.0	56.0	30 0.0	44.3

	h m s
Mittel der Zeit	15 18 51.8
Correct. der Uhr	— 2 58.7
Sternzeit	15 15 53.1
Mittlere Wien. Zeit	10 2 50.8

Stern 1 —		Comet +	
15 37 11.5	26.3	15 38 53.5	7.0
38 39.5	25.4	40 37.0	22.0
41 45.6	59.2	43 22.5	37.5
43 10.3	54.5	45 12.0	53.5
45 52.0	6.3	47 31.0	45.0
47 19 2	4 8	49 15.5	0.0

Comet —		Stern 2 +	
16 33 23.0	38.0	16 35 24.3	39.7
35 27.5	10.5	37 4.5	48.8
37 50.5	3.0	39 52.2	7.9
39 54.5	40.0	41 30.8	14.4
41 58.5	11.0	44 1.7	18.1
44 3.5	49.0	45 38.6	22.3

	h m s
Mittel der Zeit	16 11 26.9
Correct. der Uhr	— 3 22.8
Sternzeit	16 8 4.1
Mittlere Wien. Zeit	10 43 5.5

Stern; Weisse II 553, 4, 5.

1869.0	9h 27m 29.s96	+36° 52' 22."6
Reduct.	— 0.38	+ 3.1
Differ.	+ 1 56.55	— 0 55.1
eig. Bew.	0.00	— 0.1
Refr.	0.00	0.0
Comet	9 29 26.13	+36 51 30.5
Log. F. Par.	8.740	0.734

1869. 9. Juni. ☿ Oppolzer

Differenz (Com. — St.).

— 1m 2.s95, 4.58, 4.35	+ 2' 31.4
2.90, 3.00, 4.17	+ 2 24.8
— 1 3.66	+ 2 28.1

Stern; Bonn. Z C. + 36° 1964

1869.0	9h 20m 37.s33	+36° 50' 0."4
Reduct.	— 0.48	+ 2.7
Differ.	— 1 3.66	+ 2 28.1
eig. Bew.	0.00	+ 0.3
Refr.	— 0.01	+ 0.1
Comet	9 19 33 18	+36 52 31.6
Log. F. Par.	8.744	9.771

1869. 12. Juni. ♄

Differenz (Com. — St. 1.).

+ 1m 49.s20, 48.98, 47.30	+26' 26."3
+ 1 48.49	

Differenz (Com. — St. 2.).

— 1m 49.s58, 49.33, 49.68	— 24' 14."3
— 1 49.53	

Comet sehr verwaschen, zeigte eine Art doppelten Kerns; Beobachtung daher überhaupt unsicher, besonders die Durchgänge mit Stern 2, wo der Austritt aus dem Kreise wohl zu spät angegeben ist.

Stern 1 —				Comet +			
h	m	s	s	h	m	s	s
15	20	4.7	17.3	15	21	56.2	9.0
	21	39.5	26.4		23	34.5	18.5
	23	55.7	8.2		25	47.0	5.0
	25	32.5	19.5		27	24.0	6.0
	27	48.7	0.5		29	42.0	55.0
	29	26.4	13.3		31	16.0	59.0
Comet —				**Stern 2 +**			
16	47	48.0	59.0	16	48	40.0	53.3
	49	42.0	27.0		51	31.1	17.2
	52	3.0	14.0		53	57.2	0.8
	53	59.0	45.0		55	46.2	32.0
	56	15.0	26.0		58	9.5	24.2
	58	10.0	56.0		59	57.0	42.4

	h	m	s
Mittel der Zeit	16	9	47.4
Correct. der Uhr	—	3	22.8
Sternzeit......	16	6	24.6
Mittlere Wien. Zeit ...	10	41	26.3

Stern 1. Weisse II 157. 158.

1869.0	$9^h\ 9^m\ 17.^s19$	$+36°\ 25'\ 31.''6$
Reduct. .	— 0.55	+ 2.0
Differ....	+ 1 48.49	+26 26.3
eig. Bew.	0.00	— 0.9
Refr.....	+ 0.22	+ 1.8
Comet...	9 11 5.35	+36 52 0.8

Stern 2. Struve 1105.

1869.0	$9^h\ 12^m\ 49.^s60$	$+37°\ 16'\ 19.''0$
Reduct. .	— 0.54	+ 2.4
Differ....	— 1 49.53	— 24 14.3
eig. Bew.	0.00	+ 1.5
Refr.....	— 0.46	— 3.6
Comet ..	9 10 59 07	+36 52 5.0
Im Mittel .	9 11 2.21	+36 52 2.9
Log. F. Par.	8.730	9.842

1869. 12. Juni. ♄ Oppolzer

Differenz (Com. — St. 1).

$+1^m\ 52.^s57$, 51.52, 50.77 } +26′ 25.″5

+ 1 51.62

Differenz (Comet — St. 2).

$—1^m\ 51.^s40$, 51.30, 51.53 } — 24′ 9.″6

— 1 51.41

Stern 1 = (Stern 1 wie oben).

1869.0	$9^h\ 9^m\ 17.^s19$	$+ 36°\ 25'\ 31.''6$
Reduct. .	— 0.55	+ 2.0
Differ. ..	+ 1 51.62	+ 26 25.5
eig. Bew.	0.00	— 0.7
Refr. ...	+ 0.16	+ 1.3
Comet ..	9 11 8.42	+36 51 59.7

Stern 2 (= Stern 2 wie oben).

1869.0	$9^h 12^m 49.^s60$	$+37°\ 16'\ 19.''0$
Reduct. .	— 0.54	+ 2.4
Differ....	— 1 51.41	— 24 9 6
eig. Bew.	0.00	+ 1.2
Refr.....	— 0.52	— 4.3
Comet ..	9 10 57.13	+36 52 8.7
Im Mittel	9 11 2.77	+36 52 4.2
Log. F. Par.	8.732	9.840

Stern +		Comet +	
h m s	s	h m s	s
1 31 8.3	22.5	1 32 39.0	49 0
32 11.3	56.5	34 28.0	17.5

	h m s
Mittel der Zeit	1 33 33.4
Correct. der Uhr ..	— 31 39.6
Sternzeit.	1 1 53.8
Mittlere Wien. Zeit..	15 39 33.2

Eine Vollendung der Beobachtung war wegen rasch hereinbrechender Dämmerung und aufsteigenden Nebels unmöglich.

1869. 11. August. ♀

Differenz (Com. — St.).

$+\ 1^m\ 53.^s73 \quad -\ 4'\ 47.''2$

Stern.

			Epoche
Lal. 7484	$3^h55^m53.^s24$	—0 37′17.″4 5	(1.1) 1794.0
Piazzi 226	53.46	18 6 6.7	(5.6) 1806.1
Weisse 1072	53.64	24 1 6	(1.1) 1824.1
Tayl. 1379	53.60	26.4 6.7	(3.4) 1834.5
Sant. 254	53.76	27.1 6	(3.3) 1838.1
Rob. 854	53.89	30.0 6½	(2.5) 18$\frac{58}{67}$:$\frac{0}{1}$
Klinkerf.	53.98	32.1 ..	(4.4) 1863.0
Schj. 1264	53.90	33.3 7	(1.1) 1863.1
Beerg. Cop. 105 $\frac{0}{1}$	54.15	35.9 6.2	(2.2) 1868.8

Klinkerfness und Schjelerup nach der Zahl der Beobachtungen zu einer Position vereinigt, dann allen gleiches Gewicht gegeben. Dadurch wurde erhalten:

jährl. Eigenbew: $\Delta\alpha = +0.^s0125\ \Delta\delta = -0.''265$

1869.0	$3^h55^m54.^s13$	— 0° 37′ 35.″8
Reduct. .	+ 0.81	+ 5.4
Differ. ..	+ 1 53.73	— 4 47.2
eig. Bew. .	— 0.04	— 0.8
Refr. ...	+ 0.02	— 0.3
Comet...	3 57 48.65	— 0 42 18.7
Log. F. Par.	8.489_n	9.876

Stern +		Comet +	
1 14 12.2	23.2	1 15 51.6	0.5
15 33.2	22.4	17 46.5	36.8

Stern —		Comet —	
1 18 37.4	44.1	1 20 47.0	59.0
20 31.2	22.4	22 8.0	55.0
22 47.8	55.0	25 0.0	15.0
24 36.2	28.4	26 13.0	59.0

Stern +		Comet +	
1 26 54.5	8.8	1 28 29.0	37.0
28 0.0	45.2	30 17.0	7 0

	h m s
Mittel der Zeit	1 23 18 9
Correct. der Uhr	— 31 39.5
Sternzeit.....	0 51 39.4
Mittlere Wien. Zeit ...	15 29 20.4

1869. 11. August. ☿ Oppolzer.

Differenz (Com. — St.).

$+\ 1^m\ 56.^s10$	— 4′ 34.″6
53.47 / 54.90	— 4 37.3
55.37	— 4 39.8
+ 1 54.96	— 4 37.3

Stern wie oben.

1869.0	$3^h55^m54.^s13$	— 0° 37′ 35.″8
Reduct. .	+ 0.81	+ 5.4
Differ. ..	+ 1 54.96	— 4 37.3
eig. Bew.	+ 0.01	— 0.3
Refr. ...	+ 0.02	— 0.3
Comet...	3 57 49.93	— 0 42 8.3
Log. F. Par.	8.508_n	9.876

Comet —		Stern —	
h m s	s	h m s	s
o 20 52.5	2.0	o 21 30.1	38.8
22 53.0	43.5	23 22.2	13.7
33 37.5	47.0	34 15.5	24.2
35 36.0	26.0	36 6.3	58.1
Comet +		**Stern +**	
o 37 32.5	42.0	o 38 3.9	11.8
39 22.5	13.0	40 0.0	51.7
40 29.5	39.0	41 1.2	9.1
42 19 5	9.5	42 57.2	49.6

	h m s
Mittel der Zeit	o 34 5.3
Correct. der Uhr	— 32 11.6
Sternzeit	o 1 53.7
Mittlere Wien. Zeit	14 35 46.9

Den excentrischen sternartigen Kern umgibt ringsum ein heller, von granulirtem Aussehen, und diesen sehr viel diffuses Licht.

1869. 12. August. ♃

Differenz (Com. — St.).

— o^m 33.^{s}45 34.40	+	1' 27."1
34.35 34.90	+	1 26.5
— o 34.28	+	1 26.8

Stern

Boerg. Cop.105$\frac{8}{9}$	3^{h}57^{m}14.^{s}72	— 1° 4' 56."6(2)
Lam. 537	15.05	57.0(3)

angen.: $\frac{1}{2}$ (Lam. + B.)

1869.0	3^{h}57^{m}14.^{s}89	— 1° 4' 56."8
Reduct. .	+ 0.83	+ 5.6
Differ. ..	— o 34.28	+ 1 26.8
eig. Bew.	0.00	+ 0.2
Refr.....	— 0.01	+ 0.1
Comet	3 56 41.43	— 1 3 24.1
Log. F. Par.	8.579$_n$	9.876

Comet +		Stern +	
o 44 36.0	46.5	o 45 7.2	15.4
46 21.0	10.5	46 58.4	50.4
47 23.5	34.0	47 56.2	4.3
49 9.5	59.0	49 46.4	38.3
Comet —		**Stern —**	
o 50 36.5	45.5	o 51 16.2	27.3
52 11.0	0.0	52 41.2	30.0
53 1.5	11.3	53 42.0	53.2
54 36.5	26.0	55 6.4	55.8

	h m s
Mittel der Zeit	o 49 44.3
Correct. der Uhr	— 32 11.9
Sternzeit	o 17 32.4
Mittlere Wien. Zeit ...	14 51 23.6

1869. 12. August. ♃ Oppolzer.

Differenz (Com. — St.).

— o^m 34.^{s}35 34.80	+	1' 11."6
35.43 35.52	+	1 7.2
— o 35.03	+	1 9.4

Stern wie oben.

1869.0	3^h 57^{m}14.^{s}89	— 1° 4' 56."8
Reduct. .	+ 0.83	+ 5.6
Differ. ..	- o 35.03	+ 1 9.4
eig. Bew.	0.00	— 0.1
Refr....	— 0.01	+ 0.1
Comet ..	3 56 40.68	— 1 3 41.8
Log. F. Par.	8.560$_n$	9.876

Comet +		Stern +	
o 53 43.5	54.0	o 57 1.2	11.5
55 34 0	23.5	58 25.2	15.4
59 45.5	55.0	1 3 5.4	15.4
61 37.0	26.5	4 29.3	22.4
1 5 16.0	26.0	8 36.4	46.2
7 8.5	58 5	10 1 0	51.2

1869. 13. August. ♀

Differenz (Com. — St.).

— 3^m 4.^{s}58 6.63 6.45	—	3' 24."9
5.90 6.25 6.37	—	3 46.2
— 3 6.03	—	3 35.5

Comet — h m s	s	Stern — h m s	s
1 11 56.5	7.0	1 14 53.9	1.1
13 37.5	28.0	16 52.1	45.5
17 44.5	55.0	20 40.8	48.0
19 23.0	12.5	22 39.0	32.2
23 14.5	25.0	26 11.3	18.2
24 53.5	12.5	28 9.1	2.4

	h m s
Mittel der Zeit	1 9 29.5
Correct. der Uhr	— 32 45.3
Sternzeit	0 36 44.2
Mittlere Wien. Zeit....	15 6 35.9

Stern.

Lal. 7604	$3^h58^m34^s.48$	$-1°22'11''.9$	7	(1)
Weisse 1123	34.77	7.8	8	(1.1)
Baerg. Cop. 10 $\frac{69}{70}$	34.93	13.2	7.8	(2.2)
Lam. 540	34.79	11.0	7	(1)

Hat möglicherweise in AR. eine kleine Eigenbewegung; daher bloss B. C. benützt.

1869.0	$3^h58^m34^s.93$	$-1°22'13''.2$
Reduct. .	+ 0.85	+ 5.8
Differ. ..	— 3 6.03	— 3 35.5
eig. Bew.	0.00	— 0.2
Refr.....	+ 0.02	— 0.3
Comet...	3 55 29.77	— 1 25 43.4
Log. F. Par.	8.530_n	9.879

Comet —		Stern —	
0 19 45.4	0.0	0 22 38.8	47.2
21 11.0	58.0	24 24.7	16.5
25 1.0	14.0	27 54.6	2.8
26 25.0	13.0	29 39.5	32.2
30 8.5	21.0	33 1.3	9.1
31 29.0	16.5	34 45.3	37.4
Comet +		**Stern +**	
0 36 1.5	9.5	0 39 17.9	29.3
37 48.0	39.0	40 40.6	29.5
41 5.7	14.4	44 22.8	33.3
42 53.0	11.0	45 45.4	35.5
46 20.0	28.0	49 36.4	46.2
48 6.5	58.0	50 59.3	49.4

	h m s
Mittel der Zeit	0 33 51.3
Correct. der Uhr	— 32 44.7
Sternzeit	0 1 6.6
Mittlere Wien. Zeit ...	14 31 4.1

1869. 13. August ♀ Oppolzer

Differenz (Com. — St.).

-3^m $3^s.20$	
4.00	$-2'$ $50''.0$
4.53	
4.68	
4.97	-3 4.1
4.70	
— 3 4.35	— 2 57.1

Stern (= Stern wie oben).

1869.0	$3^h58^m34^s.93$	$-1°22'13''.2$
Reduct. .	+ 0.85	+ 5.8
Differ. ..	— 3 4.35	— 2 57.1
eig. Bew.	+ 0.01	— 0.2
Refr....	+ 0.02	— 0.3
Comet...	3 55 31.46	— 1 25 5.0
Log. F. Par.	8.579_n	9.878

Stern —		Comet +	
0 27 34.3	43.0	0 29 25.0	35.5
29 9.2	0.4	31 10.0	0.0
32 14.4	23.5	34 2.5	13.5
33 48.1	38.5	35 52.5	41.5
36 27.6	36.5	38 14.0	25.5
38 0.3	50.5	40 6.5	55.5
40 59.3	9.0	42 46.5	57.0
42 32.4	22.4	44 37.5	27.0
45 20.0	30.2	47 7.0	17.0
46 53.2	43.3	48 58.0	49.5
50 1.4	11.1	51 47.5	57.0
51 33.8	24.2	53 37.5	27.5

1869. 8. September. ☿

Differenz (Com. — St.).

$+1^m$ $55^s.90$	
56.37	
56.65	$+21'$ $20''.5$
56.22	
56.17	
54.75	
54.80	$+21$ 3.5
55.28	
+ 1 55.77	+21 12.0

Stern —		Comet +	
h m s	s	h m s	s
0 54 17.2	26.5	0 56 1.0	11.5
55 48.7	38.4	57 54.0	43.5
58 35.1	40.0	60 20.0	30.5
60 7.5	57.8	62 13.5	3.5

	h m s
Mittel der Zeit	0 45 53.4
Correct. der Uhr	— 42 38.6
Sternzeit.............	0 3 14.8
Mittlere Wien. Zeit ...	12 50 58.3

Stern, Weisse I, 276.

1869.0	$3^h 16^m 42.^s97$	$- 9° 33' 52.''1$
Reduct. .	+ 1.72	+ 12.4
Differ. ..	+ 1 55.77	+ 21 12.0
eig. Bew.	— 0.03	— 1.2
Refr. ...	— 0.19	+ 2.6
Comet ..	3 18 40.24	— 9 12 26.3
Log. F. Par.	8.530_n	9.907

Comet —		Stern +	
1 49 44.0	53.0	1 51 23.5	31.0
52 4.0	55.0	53 39.0	31.2
57 14.0	21.0	58 52.4	59.1
1 59 30.0	22.0	2 1 5.3	58.6
2 6 39.0	47.0	8 19.3	26.2
8 56.0	47.0	10 33.0	26.2
23 17.0	25.0	24 59.7	6.2
25 34.0	26.0	27 12.3	6.1
35 39.0	46.0	37 20.8	27.2
37 55.0	47.0	39 34.0	27.5

	h m s
Mittel der Zeit	2 11 39.1
Correct. der Uhr	+ 0 1.5
Sternzeit.......... ..	2 11 40.6
Mittlere Wien. Zeit ...	12 45 22.3

Der Comet ist eine ungemein schwache, blasse, verwaschene Nebelmasse, in der zuweilen sternartige Körnchen aufblitzen.

1869. 12. October. ♂

Differenz (Com. — St.).

$- 1^m 37.18$	..	..
37.10	..	..
38.93	..	..
40.57	..	..
38.53	..	..
— 1 38.48	..	..

Stern, Lal. 4143.

1869.0	$2^h 7^m 20.^s66$	$- 13° 53' 54.''4$
Reduct. .	+ 2.59	....
Differ. ..	— 1 38.48	....
eig. Bew.	0.00	....
Refr. ...	0.00	....
Comet	2 5 44.77	.. ..
Log. F. Par.	7.065_n	....

Comet 1869 II.

Entdeckt von Tempel in Marseille am 11. October 1869.

Comet —		Stern —	
6 7 33.5	44.0	6 9 11.3	19.2
9 8.7	57.0	11 1.3	54.5
11 48.0	57.5	13 25.3	33.0
13 19.0	9.5	15 14.2	7.3
15 47.5	57.5	17 21.8	29.7
17 16.5	6.0	19 11.1	4.3
19 47.5	57.5	21 21.4	29.2
21 14.0	3.0	23 10.2	2.1

1869. 12. October. ♂

Differenz (Com. — St.).

$- 1^m 45.^s78$, 46.45	$- 2' 34.''1$
44.85, 45.23	— 3 8.0
46.15, 45.52, 45.60	— 3 7.4
— 1 45.66	— 2 58.1

Comet +				Stern +			
h	m	s	'	h	m	s	s
6	25	13.5	23.0	6	27	14.3	27.1
	26	52.0	42.0		28	23.1	10.6
	28	51.0	1.5		30	52.2	4.9
	30	32.5	21.5		32	2.2	49.3
	32	53.5	4.5		34	55.3	8.0
	34	37.5	27.0		36	7.1	54.5

	h	m	s
Mittel der Zeit	6	21	3.8
Correct. der Uhr	+ 0		4.5
Sternzeit	6	21	8.3
Mittlere Wien. Zeit ...	16	54	8.9

Der Comet ist ein ziemlich heller, runder, in der Mitte stark verdichteter Nebel; beim Fortschreiten der Dämmerung ein sternartiger Kern (9 mg) vorhanden. Die Beobachtung musste wegen heller Dämmerung aufgegeben werden.

Stern.

	α	δ	Gr.	
Gould 2282	10h 35m 37.s88	+ 1° 32' 49."1	.	(1)
Weisse I. 624	38.14	46.2	8	(1)
Sant. 125	38.31	46.8	8	(4)
Lam. 3045	38.30	47.8	8	(4)
Schj. 3915	38.19	47.3	8	(1)

angen.: $\frac{1}{3}$ (S + Lm. + Sch.)

	α	δ
1869.0	10h 35m 38.s27	+ 1° 32' 47."3
Reduct. .	+ 0.52	— 3.2
Differ. .	— 1 45.66	— 2 58.1
eig. Bew.	+ 0.02	0.0
Refr.	+ 0.03	— 0.3
Comet....	10 33 53.18	+ 1 29 45.7
Log. F. Par.	8.598_n	9.868

Comet +				Stern 1 u. 2 —			
6	7	9.5	19.5	6	8	0.2	9.3
	8	57.5	48.0		9	36.2	28.2
...	...	...	....		8	24.9	33.2
...	...	...	....		10	1.1	53.5
	14	31.5	42.0		15	26.3	34.9
	16	23.5	14.0		17	0.0	49.6
...	...	...	....		15	48.8	57.7
...	...	...	....		17	25.4	16.2
	20	38.0	48.5		21	33.4	41.4
	22	31.0	21.0		23	6.0	57.4
...	...	...	....		21	57.3	5.2
...	...	...	....		23	30.9	22.2

	h	m	s
Mittel der Zeit	6	15	2.0
Correct. der Uhr	+ 0	28	.3
Sternzeit	6	15	30.3
Mittlere Wien. Zeit....	16	44	35.9

Der Comet wegen Nebels schwach; die Beobachtung musste wegen rasch eintretender Trübung geschlossen werden.

1869. 13. October. ☿

Differenz (Com. — St. 1).

α	δ
— 0m 44.s85	
44.95	+ 20' 33."6
44.82	
— 0 44.87	

Differenz (Com. — St. 2).

α	δ
— 1 9.55	
9.28	+ 20 21.6
9.27	
— 1 9.37	

Stern 1.

	α	δ	Gr.	
Lal. 20632	10h 34m 28.s57	+ 0° 24' 30."6	7.8	(1)
Weisse 594	28.18	33.0	8	(1)
Struve 1234	28.33	29.0	7	(1)
Rob. 2318 *)	28.39	29.2	7½	(2.1)
Lam. 3037	28.29	32.1	7.8	(4)

angen.: $\frac{1}{3}$ (Str. + Rob. + Lam.)

	α	δ
1869.0	10h 34m 28.s24	+ 0° 24' 30."1
Reduct. .	+ 0.54	— 3.2
Differ. ..	— 0 44.87	+ 20 33.6
eig. Bew.	— 0.08	— 0.1
Refr. . .	· 0.22	+ 2.5
Comet...	10 33 43.71	+ 0 45 2.9

*) Die Poldistanz um + 1' corrigirt.

Stern 2 (dpl. seq.)

Lal. 20647	10ʰ34ᵐ53.ˢ49	+0°24′40.″7	8½(1)
Rob. 2322	53.12	42.9	8½(2.1)
Lam. 3039	53.00	43.9	8.9(4.5)

angen.: ½ (Lam + Rob.)

1869.0	10ʰ34ᵐ53.ˢ06	+0° 24′ 43.″4
Reduct. .	+ 0.54	— 3.2
Differ. ..	— 1 9.37	+ 20 21.6
eig. Bew.	— 0.08	— 0.1
Refr. ...	— 0.22	+ 2.5
Comet...	10 33 43.93	+0 45 4.2
Im Mittel	10 33 43.82	+0 45 3.6
Log. F. Par.	8.603ₙ	9.870

1869. 27. October. ☿

Comet +		Stern 1 —	
ʰ ᵐ ˢ	ˢ	ʰ ᵐ ˢ	ˢ
6 54 53.0	59.0	6 55 23.5	30.0
56 58.5	52.0	57 21.0	14.9
7 0 10.5	18.0	7 0 42.4	49.0
2 19.0	10.5	2 40.0	32.8
6 47.0	54.5	7 19.7	26.0
8 56.5	48.5	9 15.9	8.8
12 0.5	8.5	12 33.7	40.1
14 11.0	2.5	14 29.5	22.9
Comet —		**Stern 2 +**	
7 20 45.0	54.5	7 21 52.8	59.2
22 42.0	33.0	23 50.8	42.6
26 28.5	37.0	27 36.2	42.2
28 25.0	16.0	29 33.9	27.2
31 58.0	7.0	33 5.4	11.1
33 53.5	45.5	35 3.3	56.9
37 22.0	30.5	38 26.8	33.0
39 14.5	6.0	40 25.0	19.3

	ʰ ᵐ ˢ
Mittel der Zeit	7 17 19.0
Correct. der Uhr	+ 3 53.0
Sternzeit	7 21 12.0
Mittlere Wien. Zeit ...	16 55 4.4

Comet schwach (wohl wegen Nebels). In der Mitte der etwa 1½′ im Diameter haltenden runden Nebelmasse ein sternartiger Kern, daher gut zu beobachten.

*) Ist der erste Stern in Zone 225; an Santini keine Correction angebracht.

Differenz (Com. — St. 1).

— 0ᵐ 26ˢ.72	
26.55	+ 12′ 49.″9
25.97	
25.92	
— 0 26.29	

Differenz (Com. — St. 2).

— 1ᵐ 7.ˢ97	
8.25	— 16′ 3.″6
8.18	
7.78	
— 1 8.05	

Stern 1.

Weisse I. 520	10ʰ30ᵐ0.ˢ36	—11°31′13.″0	6.7(1)*
Sant. C. 1860. 1280	0.71	32.2	6.7(2)

Bloss Santini benützt

1869.0	10ʰ30ᵐ 0.ˢ71	— 11° 31′ 32.″2
Reduct. .	+ 0.89	— 1.3
Differ. ..	—0 26.29	+12 49.9
eig. Bew.	— 0.05	— 0.6
Refr.	— 0.15	+ 2.0
Comet...	10 29 35.11	—11 18 42.2

Stern 2 Lal. 20545

1869.0	10ʰ30ᵐ 42.ˢ27	— 11° 4′ 6.″9
Reduct	+ 0.89	—1.4
Differ. ..	— 1 8.05	— 16 3 6
eig. Bew.	+ 0.09	+ 0.3
Refr. ...	+ 0.12	— 1.9
Comet ..	10 29 35.32	— 11 20 13.5
Im Mittel	10 29 35.22	— 11 19 27.9
Log. F. Par.	8.520ₙ	9.914

Comet +		Stern 1 —	
h m s	s	h m s	s
7 27 11.5	21.0	7 29 27.4	33.0
29 0.0	51.5	31 33.0	27.7
32 59.0	8.0	35 13.0	19.0
34 44.5	35.5	37 20.1	14.8
39 8.0	17.5	41 26.8	33.0
41 1.0	51.5	43 32.0	25.8
44 59.5	9.0	47 19.4	26.4
46 54.0	44.5	49 25.1	18.8

	h m s
Mittel der Zeit	7 36 59 8
Correct. der Uhr	+ 5 8.2
Sternzeit	7 42 8.0

Stern 2 +		Comet —	
7 52 29.4	37.3	7 53 14.5	23.0
54 26.0	18.5	55 13.0	4.5
56 33.0	40.9	57 17.5	26.5
58 29.8	21.7	59 17.0	8.5

	h m s
Mittel der Zeit	7 56 15.6
Correct. der Uhr	+ 5 8.2
Sternzeit	8 1 23.8

Im Mittel aus beiden Beobachtungen:

Sternzeit	7 51 45.9
Mittlere Wien. Zeit ...	17 9 49.6

Die Fortsetzung der Beobachtung hinderte eintretende Bewölkung. Der Comet sehr hell, mit schönem, sternartigem Kerne.

1869. **31. October.** ☉

Differenz (Com. — St. 1).

-2^m 24.28, 24.98	$+15'$ 44.0
24.90, 25.68	+ 15 28.7
— 2 24.96	+ 15 36.4

Differenz (Com. — St. 2).

$+0^m$ 45.95, 46.03	$-16'$ 36.7
+ 0 45.99	

Stern 1.

Mädl. 1474	$10^h29^m52.^s96$	$-15°40'0.''8$ (38.22)
Armagh 2305	52.85	39 59.6 (4.4)

Bloss Mädler benützt.

1869.0	10^h29^m 52.96	$-15°$ 40' 0.8
Reduct.	+ 0.99	— 0.6
Differ.	— 2 24.96	+ 15 36.4
eig. Bew.	— 0.11	— 0.3
Refr.	— 0.16	+ 2.5
Comet	10 27 28 72	— 15 24 22.8

Stern 2. Arg. — Oeltz. 10708.

1869.0	10^h26^m 40.98	$-15°$ 8' 38.9
Reduct.	+ 1.00	— 0.7
Differ.	+ 0 45.99	— 16 36.7
eig. Bew.	+ 0.10	+ 0.5
Refr.	+ 0.12	— 2.3
Comet	10 27 28.19	— 15 25 18.1
Im Mittel	10 27 28.46	— 15 24 50.5
Log. F. Par.	8.461_n	9.933

Comet +		Stern +	
8 0 57.5	8.0	8 1 53.3	2.1
3 3.0	53.5	3 28.0	18.5
4 45.5	55.0	5 40.4	49.8
6 52.0	41.5	7 17.1	7.5
7 59.0	9.0	8 53.5	3.2
10 7.5	57.5	10 30.6	21.3
11 17.5	27.0	12 13.5	23.3
13 27.0	17.0	13 51.1	42.3

1869. **12. November.** ♀

Differenz (Com. — St.)

-0^m 39.98, 40.20	$-3'$ 15.6
38.90, 40.42	— 3 38.3
41.00, 41.05	— 5 22.9
42.05, 42.15	— 5 40.9
— 0 40.72	— 4 29.4

Comet — h m s	s	Stern — h m s	s
8 16 12.0	21.0	8 16 43.3	49.2
18 10.0	0.5	19 0.5	54.5
19 42.5	52.5	20 12.3	19.1
21 38.0	27.5	22 30.1	23.2
23 8.0	17.5	23 37.3	44.1
25 0.0	49.0	25 54.0	47.3
26 39.5	51.0	27 7.1	14.2
28 26.0	14.0	29 22.1	15.7

	h m s
Mittel der Zeit	8 14 50.2
Correct. der Uhr	+ 9 9.8
Sternzeit	8 24 0.0
Mittlere Wien. Zeit ...	16 54 47.5

Comet trotz tiefen Standes ziemlich hell. Kern sternartig, excentrisch.

Stern.

Lac. 4237	$10^h 17^m 12.^s5$	$-29° 29' 51.''$	
Brisb. 2978	10.12	58.4	6
Tayl. 4642	13.21	61.0	6.7(3.3)
Arg. S. Z. 10583*	13.42	60.8	6.7

Angen.: $\frac{2\,T. + A}{3}$

1869.0	$10^h 17^m 13.^s28$	$-29° 30' 0.''9$
Reduct. .	+ 1.37	+ 2.0
Differ. ..	− 0 40 72	− 4 29.4
eig. Bew.	+ 0 02	− 0.2
Refr.	+ 0.15	− 2.9
Comet ...	10 16 34.10	− 29 34 31.4
Log. F. Par.	8.381_n	9.972

*) Nach den Beobachtungen von Lacaille, Brisbrane und Taylor ist die Declination des Sternes in Arg. Z. 363 um + 1′ zu ändern, und demgemäss auch um diesen Betrag in Oeltzen's Catalog.

Comet 1869 III.

entdeckt von Tempel in Marseille am 27. November 1869.

Stern —		Comet +	
1 38 52.4	0.2	1 39 24.5	36.5
40 40.3	32.6	41 27.0	16.5
43 9.3	17.2	43 41.0	51.5
44 57.2	49.3	45 44.5	33.5
46 26.5	35.0	47 5.5	15.0
48 15.1	7.4	49	51.5
50 10.3	18.1	50 46.0	57.5
51 58.5	51.3	52 47.0	35.5

	h m s
Mittel der Zeit	1 46 14.7
Correct. der Uhr	+ 14 35.8
Sternzeit	2 0 50.5
Mittlere Wien. Zeit ...	9 25 50.3

Die Beobachtung konnte wegen rasch eintretender Bewölkung nicht fortgesetzt werden.

1869. 29. November. C

Differenz (Com. — St.).

$+0^m$ 39.^{s}75, 39.38, 42.25, 42.00 } + 17′ 52.″6

+0 41.10

Stern; Weisse I. 1168.

1869.0	$22^h 56^m 2.^s18$	$+15° 8' 39.''5$
Reduct. .	+ 1.97	+ 21.2
Differ. ..	+ 0 41.10	+17 52.6
eig. Bew.	+ 0.06	+ 5.6
Refr.	+ 0.03	+ 0.5
Comet ...	22 56 45.34	+ 15 26 59.4
Log. F. Par.	8.520	9.775

Stern +		Comet +	
3 10 35.3	42.2	3 11 24 0	35.5
12 23.7	16.3	13 34.5	22.5
14 10.6	17.3	15 2.0	13.5
15 58.2	51.3	17 8.5	56.5
17 45.4	52.3	18 37.5	48.5
19 32.4	25.3	20 44.0	33.0

1869. 29. November. C

Stern —		Comet —	
3h 22m 6.s3	12.s1	3h 23m 10.s5	23.s0
24 9.0	2.4	25 8.5	56.5
26 19.3	25.9	27 25.0	37.5
28 23.2	17.2	29 26.5	15.5
29 53.4	58.4	30 58.5	9.5
31 56.1	50.4	32 58.0	46.5

	h	m	s
Mittel der Zeit	3	22	8.1
Correct. der Uhr	+	14	37.2
Sternzeit	3	36	45.3
Mittlere Wien. Zeit....	11	1	29.4

Comet sehr schwer und unsicher zu beobachten, da er eine blasse, rundliche, wohl 5′ im Durchmesser haltende, sehr verwaschene, kernlose, gegen das Centrum hin nur sehr schwach verdichtete Nebelmasse ist.

Differenz (Com. — St.).

AR	Decl.
+ 0m 59.s75	
1 0.78	— 2′ 55.″2
1.90	
2.18	
4.73	— 1 51.5
3.55	
+ 1 2.14	— 2 23.4

Stern.

	AR	Decl.		
Lal. 45074	22h 56m 6.s18	+ 15° 31′ 41.″6	7½	(4.4)
Gould 6212	5.90	42.3	7	(4.4)
Piazzi 283 ..	5.50	42.4	6.7	(7.8)
Weisse I 1169	5.92	42.6	7	(2.2)
Taylor 10617	5.70	41.2	8	(4.4)
Rob. 5075 .	....	40.3	6½	(0.)

Angen. AR. $\frac{P. + B. + T.}{3}$ Decl. $\frac{P + B + T + R}{4}$

	AR	Decl.
1869.0	22h 56m 5.s71	+ 15° 31′ 41.″6
Reduct. .	+ 1 97	+ 21.3
Differ. ..	+ 1 2.14	— 2 23.4
eig. Bew.	— 0.01	+ 1.1
Refr.....	— 0.01	— 0.1
Comet ...	22 57 9.80	+ 15 29 40.5
Log. F. Par.	8.635	9.817

1869. 6. December. ☽

Comet +		Stern +	
1 37 42.5	54.0	1 39 49.3	58.4
39 35.0	23.0	41 36.1	27.5
42 9.5	21.0	44 17.7	26.2
44 2.0	50.5	46 4.0	56.4
49 23.5	35.0	51 28.3	36.4
51 15.5	3.0	53 16.0	7.4

	h	m	s
Mittel der Zeit	1	44	1.2
Correct. der Uhr	+	17	4.1
Sternzeit	2	1	5.3
Mittlere Wien. Zeit ...	8	58	33.6

Der Comet wegen Nebels recht schwach und verwaschen; gegen Ende störte auch bereits sehr beträchtlich ein Stern, 9mg. den der Comet kurz darauf wohl fast central bedekt haben wird.

Differenz (Com. — St.).

AR	Decl.
— 2m 4.s20	
5.33	+ 20′ 29.″9
2.78	
— 2 4.10	

Stern; B. Weisse 952.

	AR	Decl.
1869.0	23h 45m 40.s59	+ 19° 7′ 34.″5
Reduct. .	+ 2.26	+ 21.3
Differ...	— 2 4.10	+ 20 29.9
eig. Bew.	+ 0.07	+ 4.3
Refr.....	+ 0.01	+ 0.5
Comet ...	23 43 38.83	+ 19 28 30.5
Log. F. Par.	8.425	9.715

1869. 8. December ☿

Stern +		Comet +	
1 3 10.4	19.2	1 8 6.5	16.5
4 47.0	37.7	10 0.5	49.5
10 43.4	52.2	15 39.5	52.0
12 19.5	10.2	17 37.5	25.0
18 16.3	25.2	23 15.5	28.0
19 51.4	42.3	25 12.0	59.5

Stern —			Comet —		
h m s		s	h m s		s
1 27	0.5	7.2	1 32	13.0	25.0
29	3.3	56.3	34	13.5	1.0
34	48.0	55.2	40	2.5	15.0
36	51.1	43.9	42	4.5	53.5
47	13.5	20.0	52	34.5	45.5
49	17.3	11.0	54	35.0	22.5

	h m s
Mittel der Zeit	1 29 37.8
Correct. der Uhr	+ 17 44.0
Sternzeit	1 47 21.8
Mittlere Wien. Zeit ..	8 37 0.6

Comet gross, aber sehr verwaschen und kernlos; die hellste Partie liegt excentrisch (folgend)

Differenz (Com. — St.).

+ 5m 4.s67, 7.27, 9.95	— 2′ 10.″3
11.30, 14.33, 18.93	— 1 16.6
+ 5 11.08	— 1 43.4

Corr. weg. Uhrgang. + 0.s07.

Stern.

Weisse II. 1096	23h53m1.s42	+20°33′42.″98
Rüml. 11830	0.99	44.37(2.2)

angen.: $\frac{1}{3}$ (W + 2 R.)

1869.0	23h 53m 1.s13	+20° 33′43.″8
Reduct. .	+ 2.30	+ 21.4
Differ. ..	+ 5 11.15	— 1 43.4
eig. Bew.	0.00	— 0.5
Refr.....	0.00	0.0
Comet ..	23 58 14.58	+20 32 21.3
Log. F. Par.	8.336	9.692

Comet 1870 I.

entdeckt von Winnecke und Tempel am 29. Mai 1870.

Comet —			Stern —		
18 2	3.5	14.0	18 3	5.6	19.0
4	15.0	3.5	4	45.1	32.4
5	46.5	57.5	6	49.3	2.2
8	0.0	48.5	8	27.1	13.6
9	4.5	16.5	10	7.5	21.9
11	16.5	4.5	11	44.2	30.7
Comet +			**Stern +**		
18 36	20.5	30.5	18 36	50.9	0.6
38	11.0	58.5	39	7.4	58.2
39	43.0	54.5	40	15.7	24.8
41	37.0	24.0	42	31.9	22.4
43	14.5	26.5	43	46.6	55.7
45	5.5	54.5	46	2.3	53.6
46	32.0	44.5	47	5.0	14.0
48	28.0	14.5	49	20.6	11.4

Mittel der Zeit für

	h m s
Comet —:	18 6 44.2
» +:	18 42 23.7
Mittel daraus.........	18 24 34.0
Correct. der Uhr	+ 0 3.5
Sternzeit............	18 24 37.5
Mittlere Wien. Zeit ...	13 51 20.7

1870. 30. Mai. C

Differenz (Com. — St.).

— 0m 46.s53, 44.92, 45.58	+ 4′ 14.″9
— 0 45.68	
— 0 44.15, 44.07, 44.30, 43.00	+ 3 49.2
— 0 43.88	

Stern.

L. L. 1633*	0h50m50.s49	+28°49′21.″07.8m(0.9)
W II 1284	51.36	16.27.8(28.9)
Bonn. D. M 159	51.09	12.37.88.8(65.0)

Bloss Bonn. D. M. benützt, und in Decl. eine jährliche Eigenbewegung Δδ = — 0.″129 angenommen.

Der Comet ist eine rundliche verwaschene Nebelmasse, mit einem ziemlich hellen, fast sternartigen Kerne.

Stern 1 —		Comet +	
h m s	s	h m s	s
18 0 8.4	21.9	18 4 14.0	26.0
1 38.3	24.5	6 10.5	59.0
6 59.6	14.3	11 2.5	13 0
8 26.2	10.8	13 1.5	51.0
14 43.5	56.2	18 55 5	8.0
16 21.2	8.4	20 49.5	38.0
21 32.8	45.7	25 41.0	52.0
23 6.3	52.7	27 38.5	26.5
Stern 2 +		**Comet —**	
18 31 50.4	1.2	18 32 43.5	55.5
33 42.9	30.8	34 33 0	21.5
35 24.5	35.2	36 19.5	30.5
37 17.2	5.6	38 6.0	54.0
39 12.8	23.7	40 10.0	21.5
41 6.5	55.7	41 55.5	43.5
42 34.7	45.2	43 33.5	45.0
44 30.3	19.2	45 15.0	3.5

	h m s
Mittel der Zeit	18 27 30.6
Correct. der Uhr	+ 0 27.2
Sternzeit	18 27 57.8
Mittlere Wien. Zeit ...	13 19 17.3

1870.0	$0^h 50^m 51.^s09$	$+28° 49' 11.''6$
Reduct. .	— 0.44	— 10.2
Differ. ..	— 0 44.78	+ 4 2.1
eig. Bew.	0.00	— 0.2
Refr.. ..	— 0.05	+ 0.4
Comet...	0 50 5.82	+28 53 3.7
Log. F. Par.	8.703_n	9.838

In Hist. Cel. bloss runde Secunden in AR. angegeben. Mit Asten's Tafeln reducirt.

1870. 8. Juni. ☿

Differenz (Com. — St. 1).

$+4^m 19.^s10$	$+23' 11.''8$
19.27	
20.42	+ 22 52.7
20.12	
+ 4 19.73	+ 23 2.3

Differenz (Com. — St. 2).

$+0^m 52.^s05$	$-22' 6.''7$
51.87	
52.95	
51.90	
+ 0 52.19	

Stern 1.

L. L. 1845	$0^h 57^m 5.^s73$	$+25° 53' 22.''5$
W 2 1421	5.77	18.7

L. L. Gewicht ¼

1870.0	$0^h 57^m 5.^s76$	$+25° 53' 20.''0$
Reduct. .	— 0.20	— 8.5
Differ. ..	+ 4 19.73	+23 2.3
eig. Bew.	— 0.05	+ 0.8
Refr. ...	— 0.61	+ 4.9
Comet .	1 1 24.63	+26 16 19.5

Stern 2.

Bonn. Z. C. + 28° 187.

1870.0	$1^h 0^m 32.^s49$	$+26° 38' 14.''4$
Reduct. .	— 0.21	— 8.7
Differ. ..	+ 0 52.19	— 22 6.7
eig. Bew.	+ 0.06	— 0.6
Refr.....	+ 0.34	— 2.7
Comet...	1 1 24.87	+26 15 55.7
Im Mittel ..	1 1 24.75	+26 16 7.6
Log. F. Par.	8.690_n	9.852

Comet +		Stern 1 —	
h m s	s	h m s	s
19 22 55.5	5.0	19 23 34.6	45.0
24 45.7	35.5	25 22.3	13.2
27 25.0	37.5	27 59.4	9.3
29 11.0	1.0	29 51.2	41.4
30 30.5	41.0	31 7.3	16.4
32 19.5	9 0	32 57.9	48.2
Comet —		**Stern 2 +**	
19 35 3.5	13.0	19 37 22.3	32.0
36 58.0	48.5	39 6.7	56.6
39 48.0	58.0	42 4.5	14.1
41 40.5	30.5	43 50.2	40.0
44 36.5	46.5	46 50.5	0.3
46 26.0	16.5	48 37.1	27.5

	h m s
Mittel der Zeit	19 34 18.4
Correct. der Uhr	+ 1 12.0
Sternzeit.............	19 35 30.4
Mittlere Wien. Zeit ...	13 31 36.1

Der recht helle Comet zeigte bereits Schweifspuren, die bis 20′ zu verfolgen waren.

1870. **22. Juni ☿**

Differenz (Com. — St. 1).

$$\left.\begin{array}{r} -0^m\ 38.^s35 \\ 36.70 \\ 37.45 \end{array}\right\} +20'\ 37.''3$$

— 0 37.50

Differenz (Com. — St. 2).

$$\left.\begin{array}{r} -2^m\ 13.^s65 \\ 12.95 \\ 12.47 \end{array}\right\} -20'\ 39.''2$$

— 2 13.02

Stern 1.
B. D. M. Z. + 18° 203.

1870.0	$1^h 26^m$ 8.^{s}69	+18° 49′ 29.″1
Reduct. .	+ 0.10	— 4.5
Differ. ..	— 0 37.50	+20 37.3
eig. Bew.	— 0.10	+ 1.2
Refr.....	— 0.30	+ 2.7
Comet ...	1 25 30.89	+ 19 10 5.8

Stern 2.

L. L. 2859	$1^h 27^m$ 44.^{s}37	+19° 30′ 28.″6	$6\frac{1}{2}^m$
W 2 595...	43.93	30.1	7*)

L. L. Gewicht $\frac{1}{2}$.

1870.0	$1^h 27^m$ 44.^{s}07	+19° 30′ 29.″6
Reduct. .	+ 0.06	— 4.8
Differ....	— 2 13.02	—20 39.2
eig. Bew.	+ 0.09	— 1.3
Refr.....	+ 0.25	— 2.2
Comet ..	1 25 31.45	+19 9 42.1
Im Mittel...	1 25 31.17	+19 9 54.0
Log. F. Par.	8.672_n	9.841

*) In B. D. M. ist die Grösse dieses Sternes mit 8.0 gewiss sehr unterschätzt. Ich notirte bei der Beobachtung „St. 2 recht hell etwa 7mg; Stern 1 schwach 9mg." während Stern 1 im Bonner Katalog zu 8.3 und 8.8 angegeben ist, Stern 2 hingegen in der Durchmusterung zu 8.0.

Vergleichsternbestimmungen.

Vergleichstern zu Comet 1866 I. December 21.

Vglst. + h m s	s	Stern 1 u. 2 — h m s	s
1 12 23.5	51.0	1 14 40.6	14.3
18 5.9	37.5	19 16.0	41.8
		16 33.5	58.2
		22 14.3	49.6
23 8.7	35.8	25 22.7	56.1
28 48.2	20.3	30 1.1	28.0
		27 16.3	40.4
		32 59.0	35.7
33 49.6	16.3	36 1.8	34.0
39 26.5	58.8	40 42.0	9.2
		37 55.7	19.3
		43 39.8	14.7

	h m
Mittel der Zeit	1 26.0
Correct. der Uhr	+ 2.7
Sternzeit	1 28.7

1865. 22. December. ♀

Differenz (Vglst. — St. 1).

—1m 43.s70		
43.73	+ 21′ 26.″0	
43.95		
— 1 43.79		

Differenz (Vglst. — St. 2).

— 4m 9.s42	
9.60	+ 18′ 18.″7
9.58	
— 4 9.53	

Stern 1. Arg. Ö. 21758

1865.0	21h 4m 22.s35		+71°	4′ 54.″2	
Reduct. .	— 1.26			+ 35.8	
Differ. ..	— 1 43.79			+ 21 26.0	
Refr.. ..	+ 0.02			+ 0.4	
Vglst. ..	21 2 37.32		+71	26 56.4	

Stern 2. Arg. Ö. 2182$\frac{8}{9}$.

1865.0	21h 6m 47.s89	+71°	7′ 59.″5
Reduct. .	— 1.19		+ 36.0
Differ. ..	— 4 9.53		+ 18 18.7
Refr....	+ 0.01		+ 0 3
Vglst....	21 2 37.18	+71	26 54.5
Im Mittel	21 2 37.25	+71	26 55.5
Red.....	+ 1.40		— 35.6
1865.0	21 2 38.65	+71	26 19.9

Der Vergleichstern ist ein Duplex. Die Position gilt für den Sequens.

Vergleichstern zu Comet 1866 I. Jänner 7.

Stern +		Vglst. —	
3 37 23.7	33.2	3 37 50.3	1.4
38 59.5	50.6	39 21.0	9.3
39 59.6	8.8	40 24.9	36.2
41 34.2	25.3	41 56.1	44.7
42 25.7	34.8	42 51.1	2.2
44 0.0	50.4	44 23.3	11.5
44 50.4	59.4	45 15.4	26.2
46 24.2	15.3	46 47.3	36.2

1866. 7. Jänner. ⊙

Differenz (Vglst. — St.).

+ 0m 23.s75	
23.50	
24.05	— 23′ 20.″9
23.95	
+ 0 23.81	

	h	m
Mittel der Zeit	3	42.0
Correct. der Uhr	—	5.4
Sternzeit	3	36.6

Stern.

Piazzi 147	23^h 33^m 27.^s52	+ 4° 3′ 47.″88.9(4.4)
B. Z. 25	27.92	46.9 8.9(1.1)
Tayl. 10841	27.79	48.2 8(5.4)
Sant. + 2.266	27.52	47.2 8.9(3.3)
Schj. 9768	27.52	49.9 8(1.1)
Königsb. M. B.	27.68	51.5 ..(3.3)

angen.: ¼ (T + S + Sch + K)

1866.0	23^h 33^m 27.^s63	+ 4° 3′ 49.″2
Reduct. .	— 0.07	+ 2.6
Differ. ..	+ 0 23.81	— 23 20.9
Refr.	— 0.15	— 1.8
Vglst. ...	23 33 51.22	+ 3 40 29.2
Red. ...	— 0.08	+ 2.5
1866 0	23 33 51.30	+ 3 40 26.7

Vergleichstern zu Comet 1866 I. Jänner 10.

Vglst. — h m s	s	Stern — h m s	s
3 52 30.6	38.4	3 53 35.3	44.8
54 26.0	18.3	55 11.1	1.5
55 42.2	50.1	56 46.3	55.7
57 37.4	30.0	58.23.0	13.6
Vglst. +		**Stern +**	
3 59 14.4	27.2	3 59 57.3	5.0
4 0 33.8	21.5	4 1 42.0	33.2
2 8.0	19.8	2 49.3	57.1
3 24.8	12.7	4 34.0	25 3

	h	m
Mittel der Zeit	3	59.1
Correct. der Uhr	—	6.6
Sternzeit	3	52.5

NB. Der Stern mindestens ¼ Grössenclasse heller als der Vergleichstern.

Stern und Vergleichstern sind angegeben:

	*	Vgl. *
Lal.	9	8
B. Z.	9	8; 8.9
Rümk.	?	8
Arg. St. Vz.	8.5	8.5

1866. 10. Jänner. ☿

Differenz (Vglst. — St.).

+ 0^m 54.^s85 / 54.72	+ 3′ 15.″8
55.15 / 55.10	+ 3 17.3
+ 0 54.95	+ 3 16.6

Stern.

Lal. 46533	23^h 38^m 13.^s06	+ 1° 20′ 57.″8 8 (1.1)
B. Z. 34, 36	12.91	52.4 8, 8.9(2.2)
Rümk. 11527	12.34	51.2 8 (1.1)
Schj. 9810, 1, 2	12.76	52.7 8.5 9,8(3.3)
Königsb M B.	12.56	52.1 .... ..

angen.: ½ (K + Schj)

1866.0	23^h 38^m 12.^s69	+ 1° 20′ 52.″4
Reduct. .	— 0.11	+ 1.3
Differ. ..	— 0 54.95	+ 3 16.6
Refr.	+ 0.04	+ 0.4
Vglst. .	23 37 17.67	+ 1 24 10.7
Red. ...	— 0.11	+ 1.4
1866 0	23 37 17.78	+ 1 24 9.3

Vergleichstern 2 zu Comet 1867 I. Februar 4.

Vglst. 2 +		Stern +	
6 35 23.6	33.2	6 38 3.5	11.1
37 13.3	4.5	40 7.2	59.3
40 39.5	48.6	43 18.5	26.4
42 28.4	18.7	45 22.2	14.3

1867. 4. Februar. ☾

Differenz (Vglst. - St.).

— 2^m 46.^s63 / 46.55	+ 2′ 35.″9
— 2 46.59	

	h m
Mittel der Zeit	6 38.9
Correct. der Uhr	+ 23.5
Sternzeit	7 2.4

Stern.

Lal. 5687.	$2^h 57^m 52.^s80$	+20° 23′ 16.″28
Weisse II. 1379	53.75	0.78
Berl. M. B.	53.62	0.8

Blos Berl. M. B. benützt.

1867.0	$2^h 57^m 53.^s62$	+ 20° 23′ 0.″8
Reduct. .	+ 0.51	— 3.8
Differ. ..	— 2 46.59	+ 2 35.9
Refr. ...	+ 0.01	+ 0 1
Vglst....	2 55 7.55	+ 20 25 33.0
Red.	+ 0.50	— 3.7
1867.0	2 55 7.05	+ 20 25 36.7

Vergleichstern 1 zu Comet 1867 I. Februar 4.

Vglst. 1 —		Stern +	
h m s	s	h m s	s
4 53 45.3	54.9	4 57 10.7	19.4
55 39.2	30.4	59 8.4	59.5
5 0 1.4	10.6	5 3 28.3	36.9
1 56.0	46.8	5 23.8	14.6
6 3.3	12.4	9 30.6	39.1
7 58.3	48.7	11 26.0	16.8
12 59.0	8.3	16 27.6	36.2
14 55.7	46.5	18 22.2	13.5

	h m
Mittel der Zeit	5 4.2
Correct. der Uhr	— 5.4
Sternzeit	4 58.8

1867. 10. Februar. ☉

Differenz (Vglst. — St.).

-3^m 27.^{s}05		
27.20	— 18′ 40.″7	
27.45		
27.50		
— 3 27.30		

Stern.

Weisse II. 1402	$2^h 59^m 2.^s00$	+ 20° 7′ 22″.8
Struve 308...	2.05	27.1

Bloss Str. benützt.

1867.0	$2^h 59^m 2.^s05$	+ 20° 7′ 27.″1
Reduct. .	+ 0.48	— 4.3
Differ. ..	— 3 27.30	— 18 40.7
Refr. ...	— 0.01	— 0.4
Vglst....	2 55 35.22	+ 19 48 41.7
Red.	+ 0.39	— 4.2
1867.0	2 55 34.83	+ 19 48 45.9

Vergleichstern zu Comet 1867 II. Mai 6.

Stern +		Vglst. —	
14 29 59.7	9.0	14 32 26.4	34.3
31 46.2	37.3	34 20.4	12.3
34 55.6	5.0	37 17.2	25.4
36 35.8	26.2	39 15.0	7.1
40 8.4	17.1	42 40.2	50.0
42 0.4	52.5	44 30.1	22.1
45 55.3	2.9	47 22.2	31.0
46 42.0	33.2	49 15.7	7.3

1867. 6. Mai. ☾

Differenz (Vglst. — St.).

$+2^m$ 30.^{s}30	— 18′ 8″.0	
30.53		
31.00	— 18 0.0	
30.70		
+ 2 30.63	— 18 4.0	

	h m
Mittel der Zeit	14 40.9
Correct. der Uhr	— 6.3
Sternzeit	14 34.6

Stern.

Weisse I. 2	$15^h\ 2^m\ 17.^s21$	$-2°3'58.''8$	8.9(2.2)
Sant. Z.-2.276	16.22	62.5	8.9(3.3)
Lam. 4621	17.25	54.0	8 (2.2)

Angen.: ½ (Lam. + W.).

Vergleichstern = 10^{mg}. dupl. praec.

1867.0	$15^h 2^m 17.^s23$	$-2°\ 3'\ 56.''4$
Reduct. .	+ 2.14	— 2.8
Differ. ..	+ 2 30.63	— 18 4.0
Refr. ...	— 0.01	— 0.8
Vglst. ..	15 4 49.99	— 2 22 4.0
Red. ...	+ 2.15	— 2.7
1867.0	15 4 47.87	— 2 22 5.6

Vergleichstern zu Comet 1869 I. April 29.

Stern — h m s	s	Vglst. — h m s	s
12 55 57.3	10.2	12 58 50.4	59.8
57 48.1	34.4	13 1 10.3	1.3
.3 1 49.7	2.2	4 42.8	52.1
3 42.6	28.7	7 3.3	54.•
7 34.5	47.8	10 27.7	37.8
9 27.6	14.4	12 49.1	39.7

	h m
Mittel der Zeit	13 2.7
Correct. der Uhr	+ 1.4
Sternzeit	13 4.1

1869. 29. April. ♃

Differenz (Vglst. — St.).

$+3^m\ 7.^s95$, 7.38, 7.50 } + 3′ 36.″6

+ 3 7.61

Stern: Bonn. Z. C. + 36° 2026.

1869.0	$9^h 57^m 42.^s45$	$+36°\ 30'\ 11.''7$
Reduct. ..	+ 0.39	+ 2.1
Differ. ..	+ 3 7.61	+ 3 36.6
Refr.	0.00	+ 0.1
Vglst. ...	10 0 50.45	+ 36 33 50.5
Red.	— 0.41	— 2.1
1869.0	10 0 50.86	+ 36 33 52.6

Vergleichstern zu Comet 1869 I. Mai 10.

Vglst. — h m s	s	Stern — h m s	s
15 9 57.4	10.0	15 11 10.4	19 6
11 50.6	38.4	13 38.6	29.3
14 11.0	23.2	15 24.3	33.
16 4 6	52.4	17 52.2	43 7
18 20.8	34.1	19 34.6	43.8
20 15.4	3.5	22 2.9	53.7

1869. 30. Mai. ⊙

Differenz (Vglst. — St.).

$-1^m\ 30.^s38$, 30.55, 3•.30 } — 4′ 41.″2

30.08, 30.03, 29.93 } — 4 41.8

— 1 30.21 — 4 41.5

Vglst. +		Stern +	
h m s	s	h m s	s
15 23 8.4	17.8	15 24 57.3	10.4
25 35.1	24.5	26 45.8	32.6
27 27.8	37.8	29 16.8	30.1
29 52.3	42.7	31 3.8	50.0
31 42.0	52.2	33 31.6	45.0
34 7.2	57.4	35 17.6	4.3

	h m s
Mittel der Zeit	15 21 53
Correct. der Uhr	+ 6 26
Sternzeit	15 22 19

Stern; Bonn. D. M., 2036.

1869.0	$9^h 52^m 31.^s73$	$+37° 0' 21.''5$
Reduct. .	− 0.17	+ 3.9
Differ. ..	− 1 30.21	− 4 41.5
Refr.	− 0.02	− 0.2
Vglst. ...	9 51 1.33	+ 36 55 43.7
Red.	− 0.17	+ 3.8
1869.0	9 51 1.50	+ 36 55 39.9

ZONENBEOBACHTUNGEN

AM

MITTAGSROHRE.

1. Columne: fortlaufende Nummer.
2. „ Grösse des Sternes.
3. „ beobachtete lichte Linie.
4. „ Uhrzeit des Antrittes an diese Linie.
5. „ Uhrzeit des Durchganges am imaginären Mittelfaden.
6. „ am Zonenbogen gelesene Zahlen.
7. „ Declination aus vorläufig angenommenem Nullpuncte.

(Siehe Jahrgang 1857, pag. XXII.)

Zone 91. **1857. 22. Juni.** ☾

Decl. + 18° 21′ bis 18° 31′.

			m s	h m s			° ′ ″	
1	10	4	15 14.5	18 15 22.35	164	39	18 28 19.5	
2	10	8	32.2	15 3.34	169	09	18 30 34.5	
3	10	4	49.0	15 56.87	160	40	18 26 20.0	
4	10	4	16 2.5	16 10.37	166	40	18 29 20.0	
5	10	5	19.0	16 17.69	151	39	18 21 49.5	dupl. austr.
6	10	8	36.0	16 7.16	160	22	18 26 11.0	
7	10	3	17 2.2	17 19.23	166	30	18 29 15.0	
8	10	5	24.0	17 22.69	154	56	18 23 28.0	
9	10	8	45.0	17 16.16	158	12	18 25 6.0	
10	10	4	58.0	18 5.87	156	09	18 24 4.5	
11	10	6	18 10.0	17 59.52	163	40	18 27 50.0	
12	10	4	31.5	18 39.37	161	33	18 26 46.5	
13	9	5	53.0	18 51.68	170	08	18 31 4.0	
14	10	8	19 5.0	18 36.14	171	19	18 31 39.5	
15	10	6	16.1	19 5.62	170	45	18 31 22.5	
16	10	5	27.3	19 25.98	170	20	18 31 10.0	
17	9	8	46.0	19 17.16	155	40	18 23 50.0	
18	9	3	20 1.0	20 18.02	152	26	18 22 13.0	
19	10	4	14.3	20 22.17	157	30	18 24 45.0	
20	10	7	39.0	20 19.32	165	08	18 28 34.0	
21	9	6	50.0	20 39.52	163	49	18 27 54.5	
22	10	8	21 9.0	20 40.14	169	50	18 30 55.0	
23	10	4	24.5	21 32.35	169	32	18 30 46.0	
24	8	4	43.0	21 50.88	170	10	18 31 5.0	
25	10	7	22 1.0	21 41.33	152	30	18 22 15.0	
26	10	6	12.0	22 1.53	155	00	18 23 30.0	
27	9	5	48.0	22 46.69	156	44	18 24 22.0	
28	10	5	23 2.0	23 0.69	148	55	18 20 27.4	
29	10	5	15.0	23 13.69	155	41	18 23 50.5	
30	10	5	33.0	23 31.69	155	42	18 23 51.0	
31	8	3	56.0	24 13.03	166	00	18 29 0.0	
32	10	4	24 22.0	24 29.87	152	41	18 22 20.5	
33	10	6	57.0	24 46.52	268	26	18 30 13.0	
34	9	3	25 17.1	25 34.13	170	01	18 31 0.5	
35	10	6	26 9.0	25 58.52	173	40	18 32 50.0	
36	10	6	22.2	26 11.72	166	58	18 29 29.0	dupl. seq.
37	10	5	46.0	26 44.68	170	39	18 31 19.5	
38	10	6	58.0	26 47.53	150	08	18 21 4.0	
39	10	5	27 11.0	27 9.69	157	24	18 24 42.0	
40	9	4	33.0	27 40.87	160	53	18 26 26.5	
41	10	7	28 14.0	27 54.33	160	14	18 26 7.0	dupl. seq.
42	10	5	45.0	28 43.69	165	10	18 28 35.0	
43	10	4	29 3.0	29 10.88	166	46	18 29 23.0	
44	10	5	25.0	29 23.69	161	33	18 26 46.5	
45	10	7	44.1	29 24.43	150	61	18 21 25.5	
46	10	4	30 11.0	30 18.87	152	48	18 22 24.0	
47	9	3	45.2	31 2.23	163	45	18 27 52.5	dupl. seq.

			m s	h m s			° ′ ″	
48	9	4	31 12.1	18 31 19.98	171	14	18 31 37.0	
49	10	5	30.1	31 28.79	163	28	18 27 44.0	
50	10	5	46.3	31 44.99	164	30	18 28 15.0	
51	10	4	32 6.1	32 13.97	162	20	18 27 10.0	
52	9	5	22.0	32 20.69	166	53	18 29 26.5	dupl. seq.
53	10	5	46.2	32 44.89	165	07	18 28 33.5	
54	10	6	33 7.5	32 57.02	168	31	18 30 15.5	
55	9	8	21.0	32 52.14	170	50	18 31 25.0	
56	10	6	32.0	33 21.52	165	02	18 28 31.0	
57	9	6	53.5	33 43.02	162	22	18 27 11.0	
58	10	6	34 22.2	34 11.73	154	22	18 23 11.0	
59	10	8	43.0	34 14.16	161	05	18 26 32.5	
60	10	6	35 0.0	34 49.52	165	10	18 28 35.0	
61	9	4	20.2	35 28.07	166	38	18 29 19.0	
62	11	5	36 5.0	36 3.69	162	48	18 27 24.0	
63	9	6	36.2	36 25.72	174	10	18 33 5.0	
64	9	4	57.2	37 5.08	170	21	18 31 10.5	
65	10	5	37 15.0	37 13.69	160	21	18 26 10.5	
66	9	4	59.0	38 6.87	161	00	18 25 30.0	
67	10	7	38 12.5	37 52.81	168	31	18 30 15.5	
68	8	6	23.0	38 12.52	169	00	18 30 30.0	
69	10	7	43.8	38 24.12	167	22	18 29 41.0	
70	10	6	59.0	38 48.52	166	19	18 29 9.5	
71	10	4	39 34.5	39 42.37	156	43	18 24 21.5	
72	10	4	57.2	40 5.07	157	28	18 24 44.0	
73	10	5	40 11.0	40 9.69	167	20	18 29 40.0	dupl. praec.
74	7	7	41 9.2	40 49.51	173	28	18 32 44.0	
75	10	8	37.0	41 8.16	152	38	18 22 19.0	
76	10	5	55.5	41 54.19	154	15	18 23 7.5	
77	10	7	42 20.3	42 0.62	163	35	18 27 47.5	
78	10	4	38.2	42 46.07	167	38	18 29 49.0	
79	10	8	43 3.0	42 34.14	173	21	18 32 40.5	
80	10	8	40.3	43 11.47	146	52	18 19 26.0	
81	10	8	44 1.0	43 32.16	154	40	18 23 20.0	
82	10	4	12.0	44 19.87	163	26	18 27 43.0	
83	9	4	34.0	44 41.87	160	00	18 26 0.0	
84	9	7	55.2	44 35.51	173	40	18 32 50.0	
85	9	4	45 16.0	45 23.87	167	23	18 29 41.5	
86	9	6	45.0	45 34.53	148	39	18 20 19.5	
87	10	4	46 4.0	46 11.87	149	10	18 20 35.0	
88	10	8	36.0	46 7.16	157	02	18 24 31.0	
89	10	5	51.0	46 49.69	160	47	18 26 23.5	
90	9	8	47 9.0	46 40.15	166	12	18 29 6.0	
91	9	6	21.5	47 11.02	164	35	18 28 17.5	
92	10	5	41.5	47 40.19	160	08	18 26 4.0	
93	10	7	48 2.0	47 42.32	164	30	18 28 15.0	
94	10	3	18.2	48 35.23	169	12	18 30 36.0	
95	9	5	38.5	48 37.19	159	09	18 25 34.5	
96	10	7	48.5	48 38.82	164	23	18 28 11.5	
97	10	4	49 19.0	49 26.87	152	31	18 22 15.5	
98	10	5	40.0	49 38.69	150	33	18 21 16.5	

			m s	h m s			° ' "
99	10	6	50 6.0	18 49 55.52	163	20	18 27 40.0
100	10	8	24.2	49 55.35	167	13	18 29 36.5
101	10	7	42.3	50 22.62	162	57	18 27 28.5
102	10	4	51 6.0	51 13.87	166	10	18 29 5.0
103	7	5	35.0	51 33.69	154	38	18 23 19.0
104	10	6	49.2	51 38.13	154	25	18 23 12.5
105	9	7	52 11.2	51 51.53	159	26	18 25 43.0
106	9	4	46.2	52 54.07	160	24	18 26 12.0
107	9	3	53 7.2	53 24.23	162	15	18 27 7.5
108	8	5	25.2	53 23.89	167	25	18 29 42.5
109	10	4	54 14.4	54 22.27	165	11	18 28 35.5
110	10	4	36.2	54 44.07	161	01	18 26 33.0
111	10	7	55.0	54 35.33	157	16	18 24 35.5
112	9	7	55 16.0	54 56.33	161	19	18 26 39.5
113	10	7	31.0	55 11.33	152	37	18 22 18.5
114	10	5	42.2	55 40.89	154	20	18 23 10.0
115	10	5	56 20.2	56 18.89	167	02	18 29 31.0
116	10	5	48.5	56 47.19	163	09	18 27 34.5
117	10	4	57 4.0	57 11.88	168	19	18 30 9.5
118	9	5	44.0	57 42.69	157	22	18 24 41.0
119	10	7	58 10.0	57 50.33	159	13	18 25 36.5
120	10	5	29.0	58 27.69	153	40	18 22 50.0
121	9	5	49.0	58 47.69	150	15	18 21 7.5
122	10	6	59 2.0	58 51.53	158	11	18 25 5.5
123	10	6	35.0	59 24.52	172	04	18 32 2.0
124	9	5	0 1.2	59 59.89	153	13	18 22 36.5
125	10	8	22.0	59 53.16	154	12	18 23 6.0
126	9	3	42.0	19 0 59.02	157	47	18 24 53.5
127	10	6	1 3.0	0 52.52	162	20	18 27 10.0
128	10	5	44.0	1 42.69	171	50	18 31 55.0
129	8	8	2 8.8	1 39.97	147	41	18 19 50.5
130	11	6	48.0	2 37.52	172	33	18 32 16.5
131	9	7	3 11.0	2 51.33	152	43	18 22 21.5
132	10	5	42.0	3 40.69	158	21	18 25 10.5
133	9	3	4 13.8	4 30.83	164	25	18 28 12.5
134	9	5	34.1	4 32.78	170	42	18 31 21.0
135	10	5	47.0	4 45.68	170	28	18 31 14.0
136	10	5	5 4.0	5 2.69	159	22	18 25 41.0
137	10	8	39.0	5 10.16	156	00	18 24 0.0

Zone 92. **1857. 24. Juni. ☿**

Decl. + 17° 5' bis 17° 15'.

			m s	h m s			° ' "
1	9	4	48 43.1	17 48 50.92	10	22	17 10 11.0
2	10	5	59.5	48 58.19	21	20	17 15 40.0
3	10	6	49 15.0	49 4.59	21	40	17 15 50.0
4	10	7	27.1	49 7.54	21	05	17 15 32.5
5	10	8	36.8	49 8.14	22	40	17 16 20.0
6	9	4	52.5	50 0.32	15	13	17 12 36.5
7	9	7	50 7.0	49 47.45	18	20	17 14 10.0
8	10	4	28.0	50 35.81	00	34	17 5 17.0

			m	s	h	m	s			°	′	″
9	10	4	50	42.0	17	50	49.82	10	32	17	10	16.0
10	9	4		54.0		51	1.82	07	02	17	8	31.0
11	9	3	51	19.0		51	35.90	03	18	17	6	39.c
12	10	4		38.5		51	46.31	01	34	17	5	47.0
13	11	4	52	2.0		52	9.82	15	04	17	12	32.0
14	9	3		16.5		52	33.41	13	14	17	11	37.0
15	11	6		33.2		52	22.80	07	33	17	8	46.5
16	10	6	53	10.2		52	59.80	18	38	17	14	19.0
17	10	6		24.8		53	14.40	18	16	17	14	8.0
18	10	6		36.0		53	25.59	22	12	17	16	6.0
19	10	6		48.5		53	38.10	09	00	17	9	30.0
20	7	3	54	9.1		54	26.00	01	18	17	5	39.0
—	—	4		18.2		54	26.01	..	..	..	..	....
21	7	5		38.2		54	36.89	08	48	17	9	24.0
—	—	6		47.4		54	37.00	..	..	.	..	....
22	10	6	55	0.2		54	49.80	16	53	17	13	26.5
23	10	7		14.8		54	55.25	23	01	17	16	30.5
24	9	4		36.0		55	43.82	15	09	17	12	34.5
25	9	4	56	10.1		56	17.91	98	45	17	4	22.5
26	10	4		34.0		56	41.82	20	45	17	15	22.5
27	9	4		49.1		56	56.92	21	45	17	15	52.5
28	10	4	57	3.0		57	10.82	10	28	17	10	14.0
29	10	6		23.0		57	12.60	02	21	17	6	10.5
30	11	4		48.1		57	55.92	14	08	17	12	4.0
31	10	4	58	1.5		58	9.32	14	50	17	12	25.0
32	10	6		25.0		58	14.60	17	30	17	13	45.0
33	10	6		39.n		58	28.59	24	10	17	17	5.0
34	8	4		56.1		59	3.91	99	30	17	4	45.0
35	9	4	59	21.0		59	28.82	13	21	17	11	40.5
36	10	6		34.0		59	23.60	18	22	17	14	11.0
37	10	8		47.0		59	18.34	23	19	17	16	39.5
38	9	4	0	7.0	18	0	14.82	11	56	17	10	58.0
39	10	4		36.0		0	44.02	10	59	17	10	29.5
40	9	4		57.0		1	4.82	11	51	17	10	55.5
41	10	3	1	14.0		1	30.90	06	31	17	8	15.5
42	10	7		33.2		1	13.67	98	22	17	4	11.0
43	10	8		46..		1	17...	02	50	17	6	25.0
44	9	6	2	17.1		2	6.70	14	05	17	12	2.5
45	10	5		33.0		2	31.69	18	50	17	14	25.0
46	10	3		46.0		3	2.91	17	50	17	13	55.0
47	10	4	3	4.2		3	12.01	02	39	17	6	19.5
48	10	5		26.0		3	24.69	09	40	17	9	50.0
49	10	4		39.2		3	47.01	03	00	17	6	30.0
50	10	6		55.0		3	44.61	99	30	17	4	45.0
51	10	5	4	7.5		4	6.19	99	10	17	4	35.0
52	10	5		27.0		4	25.69	16	05	17	13	2.5
53	10	8		48.0		4	19.36	08	24	17	9	12.0
54	8	4	5	7.1		5	14.92	11	00	17	10	30.0
—	—	5		16.9		5	15.59	..	..	..	..	....
55	9	4		36.1		5	43.92	23	10	17	16	35.0
56	9	4		56.0		6	3.81	06	40	17	8	20.0
57	10	8	6	13.1		5	44.47	00	19	17	5	9.5

			m s	h m s			° ' "	
58	9	7	6 34.0	18 6 14.45	20	25	17 15 12.5	
59	10	5	52.0	6 50.69	20	33	17 15 16.5	
60	9	6	7 12.2	7 1.80	16	25	17 13 12.5	
61	10	8	33.0	7 4.36	07	09	17 8 34.5	
62	10	4	8 9.0	8 16.82	08	31	17 9 15.5	
63	8	4	9 6.0	9 13.81	96	30	17 3 15.0	
64	10	3	36.2	9 53.10	05	10	17 7 35.0	
65	10	4	10 1.0	10 8.82	16	40	17 13 20.0	
66	10	5	16.0	10 14.69	20	11	17 15 5.5	
67	10	4	41.3	10 49.11	96	01	17 3 0.5	
68	11	3	11 10.0	11 26.91	23	50	17 16 55.0	
69	10	6	38.0	11 27.60	11	29	17 10 44.5	
70	9	7	53.2	11 33.67	01	05	17 5 32.5	dupl. bor.
71	10	8	12 19.0	11 50.35	17	05	17 13 32.5	
72	10	7	32 5	12 12.96	17	40	17 13 50.0	
73	11	7	58.0	12 38.46	08	50	17 9 25.0	
74	10	5	13 30.5	13 29.19	17	50	17 13 55.0	dupl. bor.
75	10	5	53.2	13 51.89	20	42	17 15 21.0	
76	8	8	14 12.2	13 43.56	05	19	17 7 39.5	
77	10	7	28.2	14 8.65	21	20	17 15 40.0	
78	10	4	47.1	14 54.91	03	56	17 6 58.0	
79	9	3	15 5.1	15 22.00	99	59	17 4 59.5	
80	9	5	25.0	15 23.69	18	11	17 14 5.5	
81	10	5	44.0	15 42.69	25	20	17 17 40.0	
82	10	3	16 8.0	16 24.91	12	00	17 11 0.0	
83	10	6	28.3	16 17.90	04	00	17 7 0.0	
84	9	4	46.8	16 54.61	96	07	17 3 3.5	
85	10	6	17 9.1	16 58.70	04	42	17 7 21.0	
86	9	4	25.0	17 32.82	31	00	17 20 30.0	dupl. seq.
87	9	5	52.0	17 50.69	07	28	17 8 44.0	
88	10	4	18 15.0	18 22.82	16	03	17 13 1.5	
89	9	7	38.0	18 18.45	24	10	17 17 5.0	
90	10	4	58.5	19 6.32	19	00	17 14 30.0	
91	10	5	19 20.0	19 18.69	18	41	17 14 20.5	
92	9	4	41.0	19 48.82	09	10	17 9 35.0	
93	9	5	20 6.1	20 4.79	00	02	17 5 1.0	dupl. austr.
94	10	3	21 4.0	21 20.90	09	00	17 9 30.0	
95	9	4	18.1	21 25.92	18	00	17 14 0.0	
96	9	4	35.5	21 43.32	23	23	17 16 41.5	
97	10	5	57.0	21 55.69	17	55	17 13 57.5	
98	9	4	22 12.2	22 20.02	12	39	17 11 19.5	
99	9	4	57.0	23 4.81	07	52	17 8 56.0	
100	10	4	23 17.0	23 24.82	11	10	17 10 35.0	
101	10	6	49.2	23 38.79	21	52	17 15 56.0	
102	10	7	24 9.0	23 49.46	16	46	17 13 23.0	
103	9	4	30.0	24 37.82	21	42	17 15 51.0	
104	10	6	56.2	24 45.81	98	11	17 4 5.5	
105	10	5	25 16.0	25 14.69	01	03	17 5 31.5	
106	10	4	31.2	25 39.01	02	12	17 6 6.0	
107	10	6	54.2	25 43.81	96	50	17 3 25.0	
108	8	4	26 11.0	26 18.82	08	45	17 9 22.5	
109	9	6	30.2	26 19.80	16	24	17 13 12.0	dupl. seq.

			m s	h m s			° ′ ″
110	9	8	26 46..	18 26 17...	22	29	17 16 14.5
111	9	7	27 5.1	26 45.56	12	—	17 11 ....
112	10	6	26.1	27 15.70	01	14	17 5 37.0
113	9	3	41.4	27 58.30	98	51	17 4 25.5
114	9	5	28 5.0	28 3.69	08	02	17 9 1.0
115	10	5	26.0	28 24.69	01	32	17 5 46.0
116	10	8	57.0	28 28.35	16	31	17 13 15.5
117	10	4	29 20.0	29 27.82	23	10	17 16 35.0
118	10	4	49.0	29 56.82	08	18	17 9 9.0
119	10	3	30 9.1	30 26.00	11	20	17 10 40.0
120	10	5	21.3	30 19.99	20	26	17 15 13.0
121	9	3	44.0	31 0.91	20	58	17 15 29.0
122	10	5	31 11.0	31 9.69	07	01	17 8 30.5
123	10	4	33.0	31 40.82	12	21	17 11 10.5
124	9	4	51.0	31 58.82	16	38	17 13 19.0
125	9	5	32 9.1	32 7.79	25	20	17 17 40.0
126	9	4	29.2	32 37.02	19	40	17 14 50.0
127	10	3	46.8	33 3.71	12	10	17 11 5.0
128	10	4	33 1.0	33 8.82	08	30	17 9 15.0
129	9	4	34.0	33 41.82	09	39	17 9 49.5
130	10	8	34 1.2	33 32.54	24	24	17 17 12.0
131	10	8	29.5	34 0.87	98	10	17 4 5.0
132	10	4	47.5	34 55.31	02	39	17 6 19.5
133	10	8	35 4.2	34 35.54	22	48	17 16 24.0
134	10	4	49.0	35 56.82	19	45	17 14 52.5
135	10	8	36 24.2	35 55.57	09	00	17 9 30.0
136	10	8	38.0	36 9.37	09	00	17 9 30.0
137	10	4	53.2	37 1.02	12	05	17 11 2.5
138	11	4	37 15.0	37 22.82	17	29	17 13 44.5
139	9	4	33.2	37 41.02	15	40	17 12 50.0
140	10	5	58.2	37 56.89	20	32	17 15 16.0
141	10	3	38 16.0	38 32.90	11	45	17 10 52.5
142	10	4	42.2	38 50.02	15	37	17 12 48.5
143	10	8	39 2.0	38 33.36	08	50	17 9 25.0
144	10	8	54..	39 25. .	04	38	17 7 19.0
145	11	5	40 41.0	40 39.69	10	11	17 10 5.5
146	10	6	41 1.0	40 50.60	19	35	17 14 47.5
147	10	5	26.3	41 24.99	16	15	17 13 7.5
148	9	4	45.0	41 52.82	17	35	17 13 47.5
149	10	4	42 3.2	42 11.02	09	02	17 9 31.0
150	10	4	43.2	42 51.02	17	50	17 13 55.0
151	9	3	43 1.4	43 18.31	17	28	17 13 44.0
152	9	7	25.5	43 5.95	25	10	17 17 35.0
153	9	3	44.0	44 0.91	15	09	17 12 34.5
154	10	4	44 21.8	44 29.62	10	43	17 10 21.5
155	10	7	56.4	44 36.85	23	48	17 16 54.0
156	9	5	45 18.1	45 16.79	09	22	17 9 41.0
157	9	7	34.8	45 15.27	02	50	17 6 25.0
158	10	8	57.0	45 28.36	08	42	17 9 21.0
159	9	7	46 28.1	46 8.55	22	31	17 16 15.5
160	10	4	46.2	46 54.02	23	30	17 16 45.0
161	9	6	47 3.0	46 52.60	09	29	17 9 44.5

			m s	h m s			° ′ ″	
162	9	5	47 15.0	18 47 13.69	99	50	17 4 55.0	
163	10	6	37.0	47 26.60	08	01	17 9 0.5	
164	10	6	48 10.2	47 59.80	04	40	17 7 20.0	
165	10	5	30.4	48 29.09	10	42	17 10 21.0	
166	10	7	45.2	48 25.66	14	54	17 12 27.0	
167	10	3	49 8.0	49 24.91	13	43	17 11 51.5	
168	10	6	26.0	49 15.60	12	39	17 11 19.5	dupl. seq.
169	10	7	47.2	49 27.67	99	40	17 4 50.0	
170	9	4	50 12.0	50 19.81	00	53	17 5 26.5	
171	10	8	47..	50 18...	01	01	17 5 30.5	
172	10	4	51 14.0	51 21.81	02	01	17 6 0.5	
173	9	6	33.1	51 22.70	07	48	17 8 54.0	
174	10	7	54.2	51 34.66	12	14	17 11 7.0	
175	3	6	52 18.1	52 7.70	08	31	17 9 15.5	
—	—	7	27.2	52 7.66	..	..	.. . .	
—	—	8	36.2	52 7.56	..	..	.. ..	

Zone 93. **1857. 27. Juni. ♄**

Decl. + 17° 15′ bis 17° 35′.

1	10	6	8 3.0	17 7 52.59	34	12	17 22 6.0	
2	8	8	24.0	7 55.34	18	20	17 14 10.0	
3	9	8	55.0	8 26.30	54	52	17 32 26.0	
4	10	4	9 21.0	9 28.82	18	31	17 14 15.5	
5	9	4	34.2	9 42.02	33	07	17 21 33.5	
6	10	8	58 0	9 29.34	18	28	17 14 14.0	
7	10	5	10 23.0	10 21.69	37	13	17 23 36.5	
8	9	3	52.0	11 8 93	40	55	17 25 27.5	
9	11	7	11 3.4	10 43.84	39	18	17 24 39.0	
10	8	3	19.1	11 36.01	21	35	17 15 47.5	
—	—	4	28.1	11 35.92	..	..	.. ..	
11	7	6	54.0	11 43.58	44	48	17 27 24.0	
12	9	4	12 26.8	12 34.62	19	00	17 14 30.0	
13	10	6	39.5	12 29.09	21	08	17 15 34.0	
14	10	7	13 4.2	12 44.63	49	30	17 29 45.0	
15	10	6	19.3	13 8.88	56	07	17 33 3.5	
16	10	5	37.1	13 35.79	61	10	17 35 35.0	
17	9	6	55.3	13 44.88	44	42	17 27 21.0	
18	9	3	14 10.2	14 27.13	39	41	17 24 50.5	
19	10	6	29 8	14 19.38	47	29	17 28 44.5	
20	10	6	57.8	14 47.39	36	51	17 23 25.5	
21	10	6	15 17.0	15 6.59	41	03	17 25 31.5	
22	10	5	34.2	15 32.89	54	22	17 32 11.0	
23	9	6	53.1	15 42.67	61	58	17 35 59.0	
24	10	4	16 6.2	16 14.03	49	42	17 29 51.0	
25	11	6	22.8	16 12.39	41	03	17 25 31.5	
26	9	5	39.0	16 37.69	24	19	17 17 9.5	
27	10	8	52.0	16 23.34	22	58	17 16 29.0	

			m	s	h m s			° ′ ″	
28	10	7	17	5.1	18 16 45.54	23	02	17 16 31.0	dupl. bor.
29	10	8		23.8	16 55.13	28	10	17 19 5.0	
30	9	3		42.0	17 58.93	51	50	17 30 55.0	
31	9	5		53.0	17 51.69	58	09	17 34 4.5	
32	10	4	18	13.0	18 20.83	53	22	17 31 41.0	
33	9	6		31.5	18 21.09	33	20	17 21 40.0	
34	9	3		58.3	19 15.23	42	06	17 26 3.0	
35	10	4	19	15.2	19 23.03	38	10	17 24 5.0	
36	10	5		33.0	19 31.69	47	50	17 28 55.0	
37	9	5		54.1	19 52.79	56	22	17 33 11.0	
38	10	7	20	10.5	19 50.92	54	40	17 32 20 0	
39	10	4		29.1	20 36.93	44	39	17 27 19.5	
40	10	5		45.2	20 43.89	50	55	17 30 27.5	
41	10	7	21	18.0	20 58.45	27	00	17 18 30.0	
42	11	7		36.0	21 16.46	16	11	17 13 5.5	
43	11	5		51.4	21 50.09	20	00	17 15 0.0	
44	10	7	22	7.1	21 47.54	38	17	17 24 8.5	
45	10	4		23.5	22 31.33	46	17	17 28 8.5	
46	10	6		39.3	22 28.88	51	32	17 30 46.0	
47	8.9	7	23	5.8	22 46.22	56	44	17 33 21.0	
48	10	7		18.0	22 58.42	55	33	17 32 46.5	
49	10	7		35.0	23 15.43	47	38	17 28 49.0	
50	10	7		51.3	23 31.74	42	13	17 26 6.5	
51	10	4	24	14.2	24 22.03	36	30	17 23 15.0	dupl. austr.
52	9	3		34.4	24 51.32	27	32	17 18 46.0	
53	9	3		50.0	25 6.92	26	09	17 18 4.5	dupl. austr.
54	10	8	25	14.0	24 45.34	19	22	17 14 41.0	
55	9	6		41.0	25 30.59	42	30	17 26 15.0	dupl. praec.
56	10	8	26	7.5	25 38.81	44	43	17 27 21.5	
57	9	7		54.0	26 4.42	50	56	17 30 28.0	
58	9	7		35.0	26 15.43	48	30	17 29 15.0	
59	9	4		48.4	26 56.23	51	14	17 30 37.0	
60	10	7	27	6.3	26 46.72	52	22	17 31 11.0	
61	10	4		21.0	27 28.83	38	25	17 24 12.5	
62	10	8		46.0	27 17.34	21	13	17 15 36.5	
63	9	6	28	9.2	27 58.77	61	22	17 35 41.0	
64	10	3		24.0	28 40.94	53	40	17 31 50.0	
65	10	5		40.0	28 38.69	41	57	17 25 58.5	
66	11	6		58.0	28 47.59	33	40	17 21 50.0	
67	9	7	29	18.0	28 58.45	24	49	17 17 24.5	
68	10	4		30.0	29 37.82	25	20	17 17 40.0	
69	10	3		46.2	30 3.13	38	01	17 24 0.5	
70	9	6	30	6.0	29 55.58	51	00	17 30 30.0	
71	9	6		24.1	30 13.68	55	32	17 32 46.0	
72	10	4		46.3	30 54.13	56	57	17 33 28.5	
73	9	5	31	5.0	31 3.69	55	15	17 32 37.5	
74	10	5		22.0	31 20.69	44	53	17 27 26.5	
75	9	5		45.0	31 43.69	34	21	17 22 10.5	
76	10	5		58.2	31 56.89	23	08	17 16 34.0	
77	9	4	32	14.1	32 21.92	18	05	17 14 2.5	
78	11	5		38.8	32 37.49	30	02	17 20 1.0	
79	10	5		55.1	32 53.79	21	49	17 15 54.5	

			m s	h m s			° ′ ″	
80	10	6	33 7.3	17 32 56.90	16	43	17 13 21.5	
81	9	5	25.0	33 23.69	26	59	17 18 29.5	
82	11	7	43.0	33 23.44	35	50	17 22 55.0	
83	9	5	59.2	33 57 89	50	30	17 30 15.0	
84	10	7	34 14.0	33 54.45	28	20	17 19 10.0	dupl. praec.
85	9	7	37.2	34 17.62	50	14	17 30 17.0	
86	9	7	52.4	34 32.85	27	58	17 18 59.0	
87	9	6	35 16.0	35 5.59	24	50	17 17 25.0	
88	9	6	28.2	35 17.79	40	45	17 25 22.5	
89	10	8	40.2	35 11.51	44	10	17 27 5.0	
90	10	5	56.0	35 54.69	42	08	17 26 4.0	
91	10	7	36 6.8	35 47.22	50	20	17 30 10.0	
92	9	4	20.1	36 27 93	47	13	17 28 36.5	
93	10	8	36.0	36 9.33	33	32	17 21 46.0	
94	10	8	59.2	36 30.52	43	45	17 26 52.5	dupl. praec.
95	9	2	37 22.2	37 48.24	54	02	17 32 1.0	
96	11	4	41.0	37 48.83	53	19	17 31 39.5	
97	10	6	38 6.0	37 55.59	39	10	17 24 35.0	
98	9	6	23.0	38 12.59	25	37	17 17 48.5	
99	10	8	40.2	38 11.54	18	37	17 14 18.5	
100	9	5	39 0.3	38 58.99	21	50	17 15 55.0	dupl. praec.
101	9	4	20.0	39 27.82	26	02	17 18 1.0	
102	9	6	32.3	39 21.89	20	59	17 15 29.5	
103	10	8	44.0	39 15.32	38	13	17 24 6.5	
104	10	5	56.0	39 54.69	30	16	17 20 8.0	
105	11	4	40 14.0	40 21.83	46	35	17 28 17.5	
106	10	7	32.0	40 12.42	55	18	17 32 39.0	
107	10	6	49.3	40 38.88	56	03	17 33 1.5	
108	6	3	41 9.0	41 25.93	41	15	17 25 37.5	
109	10	3	26.0	41 42.93	39	51	17 24 55.5	
110	10	8	38.0	41 9.33	28	36	17 19 18.0	dupl. praec.
111	10	8	42 1.0	41 32.34	22	13	17 16 6.5	
112	10	4	18.4	42 26.22	22	33	17 16 16.5	
113	10	5	47.1	42 45.79	50	06	17 30 3.0	
114	10	7	43 5.0	42 45.42	58	39	17 34 19.5	
115	10	6	15.3	43 4 88	50	30	17 30 15.0	
116	10	5	33.0	43 31.69	32	38	17 21 19.0	
117	10	4	57.2	44 5.02	30	30	17 20 15.0	
118	10	4	44 15.8	44 23.62	31	49	17 20 54.5	
119	11	8	41.0	44 12.32	39	51	17 24 55.5	
120	9	5	58.0	44 56.69	39	13	17 24 36.5	
121	9	4	45 16.1	45 23.93	41	25	17 25 42.5	
122	9	7	28.2	45 8.62	52	00	17 31 0.0	
123	10	4	49.0	45 56.83	40	33	17 25 16.5	
124	8	5	46 7.1	46 5.79	21	20	17 15 40.0	
125	9	6	26.1	46 15.69	20	43	17 15 21.5	
126	10	4	40.2	46 48.02	28	00	17 19 0.0	
127	9	4	57.4	47 5.23	57	22	17 33 41.0	
128	10	6	47 16.1	47 5.67	61	20	17 35 40.0	
129	10	4	35.2	47 43.03	39	38	17 24 49.0	
130	10	5	48 0.2	47 58.89	36	24	17 23 12.0	
131	10	7	17.8	47 58.25	22	03	17 16 1.5	

			m s	h m s			° ' "	
132	10	3	48 35.0	17 48 51.91	22	50	17 16 25.0	
133	10	4	49 6.5	49 14.32	32	50	17 21 25.0	
134	9	7	34.2	49 14.61	60	34	17 35 17.0	
135	10	3	54.0	50 10.94	59	28	17 34 44.0	
136	10	4	50 8.0	50 15.83	54	29	17 32 14.5	
137	10	8	32.0	50 3.32	35	52	17 22 56.0	
138	9	5	52.2	50 50.89	38	36	17 24 18.0	dupl. austr.
139	9	6	51 21.1	51 10.69	43	50	17 26 55.0	
140	8	5	38.0	51 36.69	38	48	17 24 24 0	

Zone 94. 1857. 27. Juni. ♄

Decl. + 18° 5' bis 18° 20'.

1	10	6	55 14 0	18 55 3.54	130	48	18 10 24.0	
2	9	8	29 0	55 0.18	146	40	18 18 20.0	
3	9	4	45.0	55 52.86	143	03	18 16 31.5	dupl. austr.
4	8	4	56 1 0	56 8.86	149	40	18 19 50.0	
5	9	5	25.2	56 23.89	128	23	18 9 11.5	
6	9	4	43.0	56 50.86	132	50	18 11 25.0	
7	10	6	56.0	56 45.53	145	20	18 17 40.0	
8	9	5	57 9.1	57 7.79	128	50	18 9 25.0	dupl. seq.
9	10	5	34.0	57 32.69	130	20	18 10 10.0	
10	10	6	52.0	57 41.54	125	40	18 7 50.0	
11	10	7	58 7.0	57 47.35	129	10	18 9 35.0	
12	10	7	22.0	58 2.34	140	29	18 15 14.5	
13	9	7	41.2	58 21.53	151	54	18 20 57.0	
14	9	4	59 15.0	59 22.85	121	00	18 5 30.0	
15	10	5	27 5	59 26.19	131	41	18 10 50 5	
16	10	5	48.0	59 46.69	135	49	18 12 54.5	
17	10	8	0 4.0	59 35.19	143	12	18 16 36.0	
18	10	8	33.0	19 0 4.22	120	28	18 5 14.0	
19	10	7	54.0	0 34.36	122	50	18 6 25.0	
20	10	5	1 9.8	1 8.49	120	00	18 5 0 0	
21	9	4	27.8	1 35.66	127	10	18 8 35.0	
22	9	5	42.0	1 40.69	135	24	18 12 42 0	
23	10	8	2 4.5	1 35.71	127	10	18 8 35.0	
24	10	7	24.2	2 4.56	119	48	18 4 54.0	
25	10	3	41.0	2 57.99	127	29	18 8 44.5	
26	8	8	3 4.1	2 35 26	154	21	18 22 10.5	
27	11	7	31.5	3 11.84	146	59	18 18 29.5	
28	10	6	51.0	3 40.54	139	39	18 14 40.5	
29	10	5	4 14.0	4 12.69	116	02	18 3 1.0	
30	11	4	39.0	4 46.86	135	21	18 12 40 5	
31	9	5	59.2	4 57.89	133	20	18 11 40 0	
32	10	5	5 19.0	5 17.69	140	18	18 15 9.0	
33	10	4	31.5	5 39 36	145	31	18 17 45.5	
34	10	6	54.2	5 43.75	116	50	18 3 25.0	
35	10	5	6 12.0	6 10.69	132	15	18 11 7.5	
36	10	5	25.2	6 23.89	146	40	18 18 20.0	
37	9	4	39.2	6 47.06	140	40	18 15 20.0	

			m s	h m s			° ′ ″	
38	10	4	6 52.8	19 7 0.67	150	14	18 20 7.0	
39	10	7	7 7.0	6 47.34	154	01	18 22 0.5	
40	10	7	21.0	7 1.34	140	20	18 15 10.0	
41	10	6	38.2	7 27.73	149	04	18 19 32.0	
42	8	5	53.0	7 51.69	132	51	18 11 25.5	
43	9	3	8 15.2	8 32.20	137	20	18 13 40.0	
44	10	6	29.0	8 18.53	142	58	18 16 29.0	
45	9	7	45.0	8 25.33	148	27	18 19 13.5	
46	10	8	9 0.1	8 31.28	146	58	18 18 29.0	
47	11	7	12.2	8 52.53	151	38	18 20 49.0	
48	8	6	24.1	9 13.63	140	27	18 15 13.5	
49	9	3	10 40.0	10 56.99	119	06	18 4 33.0	
50	10	4	11 4.0	11 11.85	121	13	18 5 36.5	
51	9	4	22.2	11 30.06	125	35	18 7 47.5	
52	9	6	38.8	11 28.34	124	20	18 7 10.0	
53	10	5	53.3	11 51.99	131	40	18 10 50.0	
54	10	5	12 13.3	12 11.99	136	48	18 13 24 0	
55	11	4	35.0	12 42.86	143	27	18 16 43.5	
56	10	8	13 0.2	12 31.43	112	13	18 1 6 5	
57	10	5	30.0	13 28 69	117	23	18 3 41.5	
58	10	4	43.0	13 50.85	120	09	18 5 4.5	
59	11	7	14 1.0	13 41.35	133	59	18 11 59.5	
60	9	6	22.2	14 11.74	133	41	18 11 50.5	
61	10	4	34.0	14 41.86	139	17	18 14 38.5	
62	10	3	15 15.3	15 32.29	127	59	18 8 59 5	
63	10	4	16 4.3	16 12.17	146	52	18 18 26.0	
64	11	4	32.0	16 39.86	143	10	18 16 35.0	
65	10	5	57.0	16 55.69	135	44	18 12 52.0	
66	10	5	17 11.2	17 9.89	137	40	18 13 50.0	
67	10	5	28.0	17 26.69	137	41	18 13 50.5	
68	11	6	44.5	17 34.03	146	08	18 18 4.0	
69	10	3	18 4.1	18 21.11	147	09	18 18 34.5	
70	10	4	32.0	18 39.86	129	37	18 9 48.5	
71	10	3	19 2.1	19 19.10	139	06	18 14 33.0	
72	10	6	30.0	19 19.53	158	18	18 24 9.0	
73	9	2	55.2	20 21.36	148	47	18 19 23.5	
74	10	6	20 16.0	20 5.53	157	32	18 23 46.0	dupl. seq.
75	9	3	46.2	21 3.18	124	20	18 7 10.0	
76	9	5	21 7.1	21 5.79	122	32	18 6 16.0	
77	10	5	26.0	21 24.69	121	11	18 5 35.5	
78	9	4	52.2	22 0.06	131	40	18 10 50.0	
79	10	3	22 10.1	22 27.10	131	47	18 10 53.5	
80	10	6	30.2	22 19.74	134	00	18 12 0.0	
81	10	6	44.3	22 33.84	139	21	18 14 40.5	
82	11	7	23 17.1	22 57.46	122	25	18 6 12.5	
83	10	7	34.2	23 14.56	124	52	18 7 26.0	
84	9	6	50.2	23 39.74	124	52	10 7 26.0	
85	10	6	24 12.0	24 1.54	135	42	18 12 51.0	
86	11	5	35.5	24 34.19	146	31	18 18 15.5	
87	10	6	59.3	24 48.84	135	44	18 12 52.0	
88	10	7	25 17.2	24 57.54	141	20	18 15 40.0	
89	10	8	29.0	25 0.19	139	15	18 14 37.5	

			m s	h m s			° ′ ″
9	10	4	50 42.0	17 50 49.82	10	32	17 10 16.0
10	9	4	54.0	51 1.82	07	02	17 8 31.0
11	9	3	51 19.0	51 35.90	03	18	17 6 39.0
12	10	4	38.5	51 46.31	01	34	17 5 47.0
13	11	4	52 2.0	52 9.82	15	04	17 12 32.0
14	9	3	16.5	52 33.41	13	14	17 11 37.0
15	11	6	33.2	52 22.80	07	33	17 8 46.5
16	10	6	53 10.2	52 59.80	18	38	17 14 19.0
17	10	6	24.8	53 14.40	18	16	17 14 8.0
18	10	6	36.0	53 25.59	22	12	17 16 6.0
19	10	6	48.5	53 38.10	09	00	17 9 30.0
20	7	3	54 9.1	54 26.00	01	18	17 5 39.0
—	—	4	18.2	54 26.01	..	..	.. ..
21	7	5	38.2	54 36.89	08	48	17 9 24.0
—	—	6	47.4	54 37.00	..	..	. .. .
22	10	6	55 0.2	54 49.80	16	53	17 13 26.5
23	10	7	14.8	54 55.25	23	01	17 16 30.5
24	9	4	36.0	55 43.82	15	09	17 12 34.5
25	9	4	56 10.1	56 17.91	98	45	17 4 22.5
26	10	4	34.0	56 41.82	20	45	17 15 22.5
27	9	4	49.1	56 56.92	21	45	17 15 52.5
28	10	4	57 3.0	57 10.82	10	28	17 10 14.0
29	10	6	23.0	57 12.60	02	21	17 6 10.5
30	11	4	48.1	57 55.92	14	08	17 12 4.0
31	10	4	58 1.5	58 9.32	14	50	17 12 25.0
32	10	6	25.0	58 14.60	17	30	17 13 45.0
33	10	6	39.0	58 28.59	24	10	17 17 5.0
34	8	4	56.1	59 3.91	99	30	17 4 45.0
35	9	4	59 21.0	59 28.82	13	21	17 11 40.5
36	10	6	34.0	59 23.60	18	22	17 14 11.0
37	10	8	47.0	59 18.34	23	19	17 16 39.5
38	9	4	0 7.0	18 0 14.82	11	56	17 10 58.0
39	10	4	36.0	0 44.02	10	59	17 10 29.5
40	9	4	57.0	1 4.82	11	51	17 10 55.5
41	10	3	1 14.0	1 30.90	06	31	17 8 15.5
42	10	7	33.2	1 13.67	98	22	17 4 11.0
43	10	8	46..	1 17...	02	50	17 6 25.0
44	9	6	2 17.1	2 6.70	14	05	17 12 2.5
45	10	5	33.0	2 31.69	18	50	17 14 25.0
46	10	3	46.0	3 2.91	17	50	17 13 55.0
47	10	4	3 4.2	3 12.01	02	39	17 6 19.5
48	10	5	26.0	3 24.69	09	40	17 9 50.0
49	10	4	39.2	3 47.01	03	00	17 6 30.0
50	10	6	55.0	3 44.61	99	30	17 4 45.0
51	10	5	4 7.5	4 6.19	99	10	17 4 35.0
52	10	5	27.0	4 25 69	16	05	17 13 2.5
53	10	8	48.0	4 19.36	08	24	17 9 12.0
54	8	4	5 7.1	5 14.92	11	00	17 10 30.0
—	—	5	16.9	5 15.59	..	..	.. ..
55	9	4	36.1	5 43.92	23	10	17 16 35.0
56	9	4	56.0	6 3.81	06	40	17 8 20.0
57	10	8	6 13.1	5 44.47	00	19	17 5 9.5

			m s	h m s			° ' "	
58	9	7	6 34.0	18 6 14.45	20	25	17 15 12.5	
59	10	5	52.0	6 50.69	20	33	17 15 16.5	
60	9	6	7 12.2	7 1.80	16	25	17 13 12.5	
61	10	8	33.0	7 4.36	07	09	17 8 34.5	
62	10	4	8 9.0	8 16.82	08	31	17 9 15.5	
63	8	4	9 6.0	9 13.81	96	30	17 3 15.0	
64	10	3	36.2	9 53.10	05	10	17 7 35.0	
65	10	4	10 1.0	10 8.82	16	40	17 13 20.0	
66	10	5	16.0	10 14.69	20	11	17 15 5.5	
67	10	4	41.3	10 49.11	96	01	17 3 0.5	
68	11	3	11 10.0	11 26.91	23	50	17 16 55.0	
69	10	6	38.0	11 27.60	11	29	17 10 44.5	
70	9	7	53.2	11 33.67	01	05	17 5 32.5	dupl. bor.
71	10	8	12 19.0	11 50.35	17	05	17 13 32.5	
72	10	7	32 5	12 12.96	17	40	17 13 50.0	
73	11	7	58.0	12 38.46	08	50	17 9 25.0	
74	10	5	13 30.5	13 29.19	17	50	17 13 55.0	dupl. bor.
75	10	5	53.2	13 51.89	20	42	17 15 21.0	
76	8	8	14 12.2	13 43.56	05	19	17 7 39.5	
77	10	7	28.2	14 8.65	21	20	17 15 40.0	
78	10	4	47.1	14 54.91	03	56	17 6 58.0	
79	9	3	15 5.1	15 22.00	99	59	17 4 59.5	
80	9	5	25.0	15 23.69	18	11	17 14 5.5	
81	10	5	44.0	15 42.69	25	20	17 17 40.0	
82	10	3	16 8.0	16 24.91	12	00	17 11 0.0	
83	10	6	28.3	16 17.90	04	00	17 7 0.0	
84	9	4	46.8	16 54.61	96	07	17 3 3.5	
85	10	6	17 9.1	16 58.70	04	42	17 7 21.0	
86	9	4	25.0	17 32.82	31	00	17 20 30.0	dupl. seq.
87	9	5	52.0	17 50.69	07	28	17 8 44.0	
88	10	4	18 15.0	18 22.82	16	03	17 13 1.5	
89	9	7	38.0	18 18.45	24	10	17 17 5.0	
90	10	4	58.5	19 6.32	19	00	17 14 30.0	
91	10	5	19 20.0	19 18.69	18	41	17 14 20.5	
92	9	4	41.0	19 48.82	09	10	17 9 35.0	
93	9	5	20 6.1	20 4.79	00	02	17 5 1.0	dupl. austr.
94	10	3	21 4.0	21 20.90	09	00	17 9 30.0	
95	9	4	18.1	21 25.92	18	00	17 14 0.0	
96	9	4	35.5	21 43.32	23	23	17 16 41.5	
97	10	5	57.0	21 55.69	17	55	17 13 57.5	
98	9	4	22 12.2	22 20.02	12	39	17 11 19.5	
99	9	4	57.0	23 4.81	07	52	17 8 56.0	
100	10	4	23 17.0	23 24.82	11	10	17 10 35.0	
101	10	6	49.2	23 38.79	21	52	17 15 56.0	
102	10	7	24 9.0	23 49.46	16	46	17 13 23.0	
103	9	4	30.0	24 37.82	21	42	17 15 51.0	
104	10	6	56.2	24 45.81	98	11	17 4 5.5	
105	10	5	25 16.0	25 14.69	01	03	17 5 31.5	
106	10	4	31.2	25 39.01	02	12	17 6 6.0	
107	10	6	54.2	25 43.81	96	50	17 3 25.0	
108	8	4	26 11.0	26 18.82	08	45	17 9 22.5	
109	9	6	30.2	26 19.80	16	24	17 13 12.0	dupl. seq.

			m s	h m s			° ′ ″
110	9	8	26 46..	18 26 17...	22	29	17 16 14.5
111	9	7	27 5.1	26 45.56	12	—	17 11 ....
112	10	6	26.1	27 15.70	01	14	17 5 37.0
113	9	3	41.4	27 58.30	98	51	17 4 25.5
114	9	5	28 5.0	28 3.69	08	02	17 9 1.0
115	10	5	26.0	28 24.69	01	32	17 5 46.0
116	10	8	57.0	28 28.35	16	31	17 13 15.5
117	10	4	29 20.0	29 27.82	23	10	17 16 35.0
118	10	4	49.0	29 56.82	08	18	17 9 9.0
119	10	3	30 9.1	30 26.00	11	20	17 10 40.0
120	10	5	21.3	30 19.99	20	26	17 15 13.0
121	9	3	44.0	31 0.91	20	58	17 15 29.0
122	10	5	31 11.0	31 9.69	07	01	17 8 30.5
123	10	4	33.0	31 40.82	12	21	17 11 10.5
124	9	4	51.0	31 58.82	16	38	17 13 19.0
125	9	5	32 9.1	32 7.79	25	20	17 17 40.0
126	9	4	29.2	32 37.02	19	40	17 14 50.0
127	10	3	46.8	33 3.71	12	10	17 11 5.0
128	10	4	33 1.0	33 8.82	08	30	17 9 15.0
129	9	4	34.0	33 41.82	09	39	17 9 49.5
130	10	8	34 1.2	33 32.54	24	24	17 17 12.0
131	10	8	29.5	34 0.87	98	10	17 4 5.0
132	10	4	47.5	34 55.31	02	39	17 6 19.5
133	10	8	35 4.2	34 35.54	22	48	17 16 24.0
134	10	4	49.0	35 56.82	19	45	17 14 52.5
135	10	8	36 24.2	35 55.57	09	00	17 9 30.0
136	10	8	38.0	36 9.37	09	00	17 9 30.0
137	10	4	53.2	37 1.02	12	05	17 11 2.5
138	11	4	37 15.0	37 22.82	17	29	17 13 44.5
139	9	4	33.2	37 41.02	15	40	17 12 50.0
140	10	5	58.2	37 56.89	20	32	17 15 16.0
141	10	3	38 16.0	38 32.90	11	45	17 10 52.5
142	10	4	42.2	38 50.02	15	37	17 12 48.5
143	10	8	39 2.0	38 33.36	08	50	17 9 25.0
144	10	8	54..	39 25. .	04	38	17 7 19.0
145	11	5	40 41.0	40 39.69	10	11	17 10 5.5
146	10	6	41 1.0	40 50.60	19	35	17 14 47.5
147	10	5	26.3	41 24.99	16	15	17 13 7.5
148	9	4	45.0	41 52.82	17	35	17 13 47.5
149	10	4	42 3.2	42 11.02	09	02	17 9 31.0
150	10	4	43.2	42 51.02	17	50	17 13 55.0
151	9	3	43 1.4	43 18.31	17	28	17 13 44.0
152	9	7	25.5	43 5.95	25	10	17 17 35.0
153	9	3	44.0	44 0.91	15	09	17 12 34.5
154	10	4	44 21.8	44 29.62	10	43	17 10 21.5
155	10	7	56.4	44 36.85	23	48	17 16 54.0
156	9	5	45 18.1	45 16.79	09	22	17 9 41.0
157	9	7	34.8	45 15.27	02	50	17 6 25.0
158	10	8	57.0	45 28.36	08	42	17 9 21.0
159	9	7	46 28.1	46 8.55	22	31	17 16 15.5
160	10	4	46.2	46 54.02	23	30	17 16 45.0
161	9	6	47 3.0	46 52.60	09	29	17 9 44.5

			m s	h m s			° ' "	
162	9	5	47 15.0	18 47 13.69	99	50	17 4 55.0	
163	10	6	37.0	47 26.60	08	01	17 9 0.5	
164	10	6	48 10.2	47 59.80	04	40	17 7 20.0	
165	10	5	30.4	48 29.09	10	42	17 10 21.0	
166	10	7	45.2	48 25.66	14	54	17 12 27.0	
167	10	3	49 8.0	49 24.91	13	43	17 11 51.5	
168	10	6	26.0	49 15.60	12	39	17 11 19.5	dupl. seq.
169	10	7	47.2	49 27.67	99	40	17 4 50.0	
170	9	4	50 12.0	50 19.81	00	53	17 5 26.5	
171	10	8	47..	50 18...	01	01	17 5 30.5	
172	10	4	51 14.0	51 21.81	02	01	17 6 0.5	
173	9	6	33.1	51 22.70	07	48	17 8 54.0	
174	10	7	54.2	51 34.66	12	14	17 11 7.0	
175	3	6	52 18.1	52 7.70	08	31	17 9 15.5	
—	—	7	27.2	52 7.66	..	..	.. . .	
—	—	8	36.2	52 7.56	..	..	.. ..	

Zone 93. **1857. 27. Juni. ♄**

Decl. + 17° 15' bis 17° 35'.

1	10	6	8 3.0	17 7 52.59	34	12	17 22 6.0	
2	8	8	24.0	7 55.34	18	20	17 14 10.0	
3	9	8	55.0	8 26.30	54	52	17 32 26.0	
4	10	4	9 21.0	9 28.82	18	31	17 14 15.5	
5	9	4	34.2	9 42.02	33	07	17 21 33.5	
6	10	8	58 0	9 29.34	18	28	17 14 14.0	
7	10	5	10 23.0	10 21.69	37	13	17 23 36.5	
8	9	3	52.0	11 8 93	40	55	17 25 27.5	
9	11	7	11 3.4	10 43.84	39	18	17 24 39.0	
10	8	3	19.1	11 36.01	21	35	17 15 47.5	
—	—	4	28.1	11 35.92	..	..	.. ..	
11	7	6	54.0	11 43.58	44	48	17 27 24.0	
12	9	4	12 26.8	12 34.62	19	00	17 14 30.0	
13	10	6	39.5	12 29.09	21	08	17 15 34.0	
14	10	7	13 4.2	12 44.63	49	30	17 29 45.0	
15	10	6	19.3	13 8.88	56	07	17 33 3.5	
16	10	5	37.1	13 35.79	61	10	17 35 35.0	
17	9	6	55.3	13 44.88	44	42	17 27 21.0	
18	9	3	14 10.2	14 27.13	39	41	17 24 50.5	
19	10	6	29 8	14 19.38	47	29	17 28 44.5	
20	10	6	57.8	14 47.39	36	51	17 23 25.5	
21	10	6	15 17.0	15 6.59	41	03	17 25 31.5	
22	10	5	34.2	15 32.89	54	22	17 32 11.0	
23	9	6	53.1	15 42.67	61	58	17 35 59.0	
24	10	4	16 6.2	16 14.03	49	42	17 29 51.0	
25	11	6	22.8	16 12.39	41	03	17 25 31.5	
26	9	5	39.0	16 37.69	24	19	17 17 9.5	
27	10	8	52.0	16 23.34	22	58	17 16 29.0	

			m s	h m s			° ′ ″	
28	10	7	17 5.1	18 16 45.54	23	02	17 16 31.0	dupl. bor.
29	10	8	23.8	16 55.13	28	10	17 19 5.0	
30	9	3	42.0	17 58.93	51	50	17 30 55.0	
31	9	5	53.0	17 51.69	58	09	17 34 4.5	
32	10	4	18 13.0	18 20.83	53	22	17 31 41.0	
33	9	6	31.5	18 21.09	33	20	17 21 40.0	
34	9	3	58.3	19 15.23	42	06	17 26 3.0	
35	10	4	19 15.2	19 23.03	38	10	17 24 5.0	
36	10	5	33.0	19 31.69	47	50	17 28 55.0	
37	9	5	54.1	19 52.79	56	22	17 33 11.0	
38	10	7	20 10.5	19 50.92	54	40	17 32 20 0	
39	10	4	29.1	20 36.93	44	39	17 27 19.5	
40	10	5	45.2	20 43.89	50	55	17 30 27.5	
41	10	7	21 18.0	20 58.45	27	00	17 18 30.0	
42	11	7	36.0	21 16.46	16	11	17 13 5.5	
43	11	5	51.4	21 50.09	20	00	17 15 0.0	
44	10	7	22 7.1	21 47.54	38	17	17 24 8.5	
45	10	4	23.5	22 31.33	46	17	17 28 8.5	
46	10	6	39.3	22 28.88	51	32	17 30 46.0	
47	8.9	7	23 5.8	22 46.22	56	44	17 33 22.0	
48	10	7	18.0	22 58.42	55	33	17 32 46.5	
49	10	7	35.0	23 15.43	47	38	17 28 49.0	
50	10	7	51.3	23 31.74	42	13	17 26 6.5	
51	10	4	24 14.2	24 22.03	36	30	17 23 15.0	dupl. austr.
52	9	3	34.4	24 51.32	27	32	17 18 46.0	
53	9	3	50.0	25 6.92	26	09	17 18 4.5	dupl. austr.
54	10	8	25 14.0	24 45.34	19	22	17 14 41.0	
55	9	6	41.0	25 30.59	42	30	17 26 15.0	dupl. praec.
56	10	8	26 7.5	25 38.81	44	43	17 27 21.5	
57	9	7	54.0	26 4.42	50	56	17 30 28.0	
58	9	7	35.0	26 15.43	48	30	17 29 15.0	
59	9	4	48.4	26 56.23	51	14	17 30 37.0	
60	10	7	27 6.3	26 46.72	52	22	17 31 11.0	
61	10	4	21.0	27 28.83	38	25	17 24 12.5	
62	10	8	46.0	27 17.34	21	13	17 15 36.5	
63	9	6	28 9.2	27 58.77	61	22	17 35 41.0	
64	10	3	24.0	28 40.94	53	40	17 31 50.0	
65	10	5	40.0	28 38.69	41	57	17 25 58.5	
66	11	6	58.0	28 47.59	33	40	17 21 50.0	
67	9	7	29 18.0	28 58.45	24	49	17 17 24.5	
68	10	4	30.0	29 37.82	25	20	17 17 40.0	
69	10	3	46.2	30 3.13	38	01	17 24 0.5	
70	9	6	30 6.0	29 55.58	51	00	17 30 30.0	
71	9	6	24.1	30 13.68	55	32	17 32 46.0	
72	10	4	46.3	30 54.13	56	57	17 33 28.5	
73	9	5	31 5.0	31 3.69	55	15	17 32 37.5	
74	10	5	22.0	31 20.69	44	53	17 27 26.5	
75	9	5	45.0	31 43.69	34	21	17 22 10.5	
76	10	5	58.2	31 56.89	23	08	17 16 34.0	
77	9	4	32 14.1	32 21.92	18	05	17 14 2.5	
78	11	5	38.8	32 37.49	30	02	17 20 1.0	
79	10	5	55.1	32 53.79	21	49	17 15 54.5	

			m s	h m s			° ′ ″	
80	10	6	33 7.3	17 32 56.90	16	43	17 13 21.5	
81	9	5	25.0	33 23.69	26	59	17 18 29.5	
82	11	7	43.0	33 23.44	35	50	17 22 55.0	
83	9	5	59.2	33 57 89	50	30	17 30 15.0	
84	10	7	34 14.0	33 54.45	28	20	17 19 10.0	dupl. praec.
85	9	7	37.2	34 17.62	50	14	17 30 17.0	
86	9	7	52.4	34 32.85	27	58	17 18 59.0	
87	9	6	35 16.0	35 5.59	24	50	17 17 25.0	
88	9	6	28.2	35 17.79	40	45	17 25 22.5	
89	10	8	40.2	35 11.51	44	10	17 27 5.0	
90	10	5	56.0	35 54.69	42	08	17 26 4.0	
91	10	7	36 6.8	35 47.22	50	20	17 30 10.0	
92	9	4	20.1	36 27 93	47	13	17 28 36.5	
93	10	8	36.0	36 9.33	33	32	17 21 46.0	
94	10	8	59.2	36 30.52	43	45	17 26 52.5	dupl. praec.
95	9	2	37 22 2	37 48.24	54	02	17 32 1.0	
96	11	4	41.0	37 48.83	53	19	17 31 39.5	
97	10	6	38 6.0	37 55.59	39	10	17 24 35.0	
98	9	6	23.0	38 12.59	25	37	17 17 48.5	
99	10	8	40.2	38 11.54	18	37	17 14 18.5	
100	9	5	39 0.3	38 58.99	21	50	17 15 55.0	dupl. praec.
101	9	4	20.0	39 27.82	26	02	17 18 1.0	
102	9	6	32.3	39 21.89	20	59	17 15 29.5	
103	10	8	44.0	39 15.32	38	13	17 24 6.5	
104	10	5	56.0	39 54.69	30	16	17 20 8.0	
105	11	4	40 14.0	40 21.83	46	35	17 28 17.5	
106	10	7	32.0	40 12.42	55	18	17 32 39.0	
107	10	6	49 3	40 38.88	56	03	17 33 1.5	
108	6	3	41 9.0	41 25.93	41	15	17 25 37.5	
109	10	3	26.0	41 42.93	39	51	17 24 55.5	
110	10	8	38.0	41 9.33	28	36	17 19 18.0	dupl. praec.
111	10	8	42 1.0	41 32.34	22	13	17 16 6.5	
112	10	4	18.4	42 26.22	22	33	17 16 16.5	
113	10	5	47.1	42 45.79	50	06	17 30 3.0	
114	10	7	43 5.0	42 45.42	58	39	17 34 19.5	
115	10	6	15.3	43 4.88	50	30	17 30 15.0	
116	10	5	33.0	43 31.69	32	38	17 21 19.0	
117	10	4	57.2	44 5.02	30	30	17 20 15.0	
118	10	4	44 15.8	44 23.62	31	49	17 20 54.5	
119	11	8	41.0	44 12.32	39	51	17 24 55.5	
120	9	5	58.0	44 56.69	39	13	17 24 36.5	
121	9	4	45 16.1	45 23.93	41	25	17 25 42.5	
122	9	7	28.2	45 8.62	52	00	17 31 0.0	
123	10	4	49.0	45 56.83	40	33	17 25 16.5	
124	8	5	46 7.1	46 5.79	21	20	17 15 40.0	
125	9	6	26.1	46 15.69	20	43	17 15 21.5	
126	10	4	40.2	46 48.02	28	00	17 19 0.0	
127	9	4	57.4	47 5.23	57	22	17 33 41.0	
128	10	6	47 16.1	47 5.67	61	20	17 35 40.0	
129	10	4	35.2	47 43.03	39	38	17 24 49.0	
130	10	5	48 0.2	47 58.89	36	24	17 23 12.0	
131	10	7	17.8	47 58.25	22	03	17 16 1.5	

			m s	h m s			° ′ ″	
132	10	3	48 35.0	17 48 51.91	22	50	17 16 25.0	
133	10	4	49 6.5	49 14.32	32	5c	17 21 25.0	
134	9	7	34.2	49 14.61	60	34	17 35 17.0	
135	10	3	54.0	50 10.94	59	28	17 34 44.0	
136	10	4	50 8.0	50 15.83	54	29	17 32 14.5	
137	10	8	32.0	50 3.32	35	52	17 22 56.0	
138	9	5	52.2	50 50.89	38	36	17 24 18.0	dupl. austr.
139	9	6	51 21.1	51 10.69	43	50	17 26 55.0	
140	8	5	38.0	51 36.69	38	48	17 24 24 0	

Zone 94. **1857. 27. Juni. ♄**

Decl. + 18° 5′ bis 18° 20′.

			m s	h m s			° ′ ″	
1	10	6	55 14 0	18 55 3.54	130	48	18 10 24.0	
2	9	8	29 0	55 0.18	146	40	18 18 20.0	
3	9	4	45.0	55 52.86	143	03	18 16 31.5	dupl. austr.
4	8	4	56 1 0	56 8.86	149	40	18 19 50.0	
5	9	5	25.2	56 23.89	128	23	18 9 11.5	
6	9	4	43.0	56 50.86	132	50	18 11 25.0	
7	10	6	56.0	56 45.53	145	20	18 17 40.0	
8	9	5	57 9.1	57 7.79	128	50	18 9 25.0	dupl. seq.
9	10	5	34.0	57 32.69	130	20	18 10 10.0	
10	10	6	52.0	57 41.54	125	40	18 7 50.0	
11	10	7	58 7.0	57 47.35	129	10	18 9 35.0	
12	10	7	22.0	58 2.34	140	29	18 15 14.5	
13	9	7	41.2	58 21.53	151	54	18 20 57.0	
14	9	4	59 15.0	59 22.85	121	00	18 5 30.0	
15	10	5	27 5	59 26.19	131	41	18 10 50 5	
16	10	5	48.0	59 46.69	135	49	18 12 54.5	
17	10	8	0 4.0	59 35.19	143	12	18 16 36.0	
18	10	8	33.0	19 0 4.22	120	28	18 5 14.0	
19	10	7	54.0	0 34.36	122	50	18 6 25.0	
20	10	5	1 9.8	1 8.49	120	00	18 5 0 0	
21	9	4	27.8	1 35.66	127	10	18 8 35.0	
22	9	5	42.0	1 40.69	135	24	18 12 42 0	
23	10	8	2 4.5	1 35.71	127	10	18 8 35.0	
24	10	7	24.2	2 4.56	119	48	18 4 54.0	
25	10	3	41.0	2 57.99	127	29	18 8 44.5	
26	8	8	3 4.1	2 35 26	154	21	18 22 10.5	
27	11	7	31.5	3 11.84	146	59	18 18 29.5	
28	10	6	51.0	3 40.54	139	39	18 14 40.5	
29	10	5	4 14.0	4 12.69	116	02	18 3 1.0	
30	11	4	39.0	4 46.86	135	21	18 12 40 5	
31	9	5	59.2	4 57.89	133	20	18 11 40 0	
32	10	5	5 19.0	5 17.69	140	18	18 15 9.0	
33	10	4	31.5	5 39 36	145	31	18 17 45.5	
34	10	6	54.2	5 43.75	116	50	18 3 25.0	
35	10	5	6 12.0	6 10.69	132	15	18 11 7.5	
36	10	5	25.2	6 23.89	146	40	18 18 20.0	
37	9	4	39.2	6 47.06	140	40	18 15 20.0	

			m s	h m s			° ′ ″	
38	10	4	6 52.8	19 7 0.67	150	14	18 20 7.0	
39	10	7	7 7.0	6 47.34	154	01	18 22 0.5	
40	10	7	21.0	7 1.34	140	20	18 15 10.0	
41	10	6	38.2	7 27.73	149	04	18 19 32.0	
42	8	5	53.0	7 51.69	132	51	18 11 25.5	
43	9	3	8 15.2	8 32.20	137	20	18 13 40.0	
44	10	6	29.0	8 18.53	142	58	18 16 29.0	
45	9	7	45.0	8 25.33	148	27	18 19 13.5	
46	10	8	9 0.1	8 31.28	146	58	18 18 29.0	
47	11	7	12.2	8 52.53	151	38	18 20 49.0	
48	8	6	24.1	9 13.63	140	27	18 15 13.5	
49	9	3	10 40.0	10 56.99	119	06	18 4 33.0	
50	10	4	11 4.0	11 11.85	121	13	18 5 36.5	
51	9	4	22.2	11 30.06	125	35	18 7 47.5	
52	9	6	38.8	11 28.34	124	20	18 7 10.0	
53	10	5	53.3	11 51.99	131	40	18 10 50.0	
54	10	5	12 13.3	12 11.99	136	48	18 13 24 0	
55	11	4	35.0	12 42.86	143	27	18 16 43.5	
56	10	8	13 0.2	12 31.43	112	13	18 1 6 5	
57	10	5	30.0	13 28 69	117	23	18 3 41.5	
58	10	4	43.0	13 50.85	120	09	18 5 4.5	
59	11	7	14 1.0	13 41.35	133	59	18 11 59.5	
60	9	6	22.2	14 11.74	133	41	18 11 50.5	
61	10	4	34.0	14 41.86	139	17	18 14 38.5	
62	10	3	15 15.3	15 32.29	127	59	18 8 59 5	
63	10	4	16 4.3	16 12.17	146	52	18 18 26.0	
64	11	4	32.0	16 39.86	143	10	18 16 35.0	
65	10	5	57.0	16 55.69	135	44	18 12 52.0	
66	10	5	17 11.2	17 9.89	137	40	18 13 50.0	
67	10	5	28.0	17 26.69	137	41	18 13 50.5	
68	11	6	44 5	17 34.03	146	08	18 18 4.0	
69	10	3	18 4.1	18 21.11	147	09	18 18 34.5	
70	10	4	32.0	18 39.86	129	37	18 9 48.5	
71	10	3	19 2.1	19 19.10	139	06	18 14 33.0	
72	10	6	30.0	19 19.53	158	18	18 24 9.0	
73	9	2	55.2	20 21.36	148	47	18 19 23.5	
74	10	6	20 16.0	20 5.53	157	32	18 23 46.0	dupl. seq.
75	9	3	46.2	21 3.18	124	20	18 7 10.0	
76	9	5	21 7.1	21 5.79	122	32	18 6 16.0	
77	10	5	26.0	21 24.69	121	11	18 5 35.5	
78	9	4	52.2	22 0.06	131	40	18 10 50.0	
79	10	3	22 10.1	22 27.10	131	47	18 10 53.5	
80	10	6	30.2	22 19.74	134	00	18 12 0.0	
81	10	6	44.3	22 33.84	139	21	18 14 40.5	
82	11	7	23 17.1	22 57.46	122	25	18 6 12.5	
83	10	7	34.2	23 14.56	124	57	18 7 26.0	
84	9	6	50.2	23 39.74	124	52	10 7 26.0	
85	10	6	24 12.0	24 1.54	135	42	18 12 51.0	
86	11	5	35.5	24 34.19	146	31	18 18 15.5	
87	10	6	59.3	24 48.84	135	44	18 12 52.0	
88	10	7	25 17.2	24 57.54	141	20	18 15 40.0	
89	10	8	29.0	25 0.19	139	15	18 14 37.5	

			m s	h m s		° ′ ″	
90	10	6	25 41.1	19 25 30.63	149 43	18 19 51.5	
91	10	6	56.0	25 45.54	127 20	18 8 40.0	
92	10	8	26 16.0	25 47.21	122 20	18 6 10.0	
93	10	4	45.8	26 53.66	131 20	18 10 40.0	
94	10	6	27 15.2	27 4.74	120 33	18 5 16.5	
95	10	4	49.0	27 56.87	151 56	18 20 58.0	
96	10	3	28 3.3	28 20.31	148 43	18 19 21.5	
97	10	3	18.9	28 35.91	150 16	18 20 8.0	
98	10	5	40.0	28 38 69	133 31	18 11 45.5	
99	10	5	51.0	28 49.69	131 12	18 10 36.0	
100	9	8	29 9.2	28 40.42	121 21	18 5 40.5	
101	10	7	28.2	29 8.55	137 41	18 13 50.5	
102	8	7	46.0	29 26.34	139 40	18 14 50 0	
103	7	8	30 3.0	29 34.19	139 22	18 14 41.0	
104	9	3	17.2	30 34.21	147 52	18 18 56.0	
105	10	7	31.1	30 11.43	159 49	18 24 54.5	
106	10	7	44.3	30 24.63	152 35	18 21 17.5	
107	10	5	31 1.0	30 59.69	145 48	18 17 54.0	
108	10	8	18.0	30 49.19	139 20	18 14 40.0	
109	10	5	34.0	31 32.69	126 30	18 8 15.0	
110	8	7	54.0	31 34.34	141 00	18 15 30.0	
111	10	7	32 7.0	31 47.34	145 18	18 17 39.0	
112	10	8	22.0	31 53.20	136 21	18 13 10.5	
113	10	6	35.0	32 24.54	137 58	18 13 59.0	
114	10	6	52.2	32 41.74	135 50	18 12 55.0	
115	10	5	33 12.2	33 10.89	146 13	18 18 6.5	
116	10	5	34.0	33 32.69	154 10	18 22 5.0	dupl. austr.
117	10	8	55.8	33 27.02	126 08	18 8 4.0	
118	9	3	34 11.0	34 27.99	122 25	18 6 12.5	
119	11	7	29.0	34 9.35	129 10	18 9 35.0	
120	9	5	52.0	34 50.69	140 08	18 15 4.0	
121	10	6	35 12.3	35 1.83	145 45	18 17 52.5	
122	9	7	27.0	35 7.34	144 41	18 17 20.5	
123	10	6	38.1	35 27.63	148 03	18 19 1.5	dupl. praec.
124	8	6	36 7.0	35 56.54	124 00	18 7 0.0	
125	10	7	38.0	36 18.33	151 40	18 20 50.0	
126	10	4	53.0	37 0.86	146 11	18 18 5.5	
127	10	4	37 11.0	37 18.86	147 09	18 18 34.5	
128	8	3	27.1	37 44.10	135 21	18 12 40.5	
129	10	5	46.0	37 44.69	121 10	18 5 35.0	
130	8	5	38 10 0	38 8.69	138 00	18 14 0.0	

Zone 95. 1857. 28. Juni. ⊙

Decl. + 17° 15′ bis 17° 35′.

1	9	5	51 35.0	17 51 33.69	38 42	17 24 21.0	
2	10	7	49.1	51 29.53	48 37	17 29 18.5	dupl. bor.
3	9	4	52 29.1	52 36.93	48 25	17 29 12.5	
4	11	4	54.2	53 2.03	44 28	17 27 14.0	
5	10	7	53 18.1	52 58.55	27 32	17 18 46.0	

			m s	h m s			° ' "	
6	10	8	53 36.0	17 53 7.34	22	18	17 16 9.0	
7	9	4	54.0	54 1.63	38	20	17 24 10.0	
8	9	5	54 14.2	54 12.89	48	40	17 29 20.0	
9	10	7	28.0	54 8.42	56	58	17 33 29.0	
10	9	7	41.0	54 11.41	60	10	17 35 5.0	
11	10	6	58.5	54 48.07	60	29	17 35 14.5	
12	10	3	55 16.2	55 33.14	64	02	17 37 1.0	
13	10	6	41.0	55 30.59	35	52	17 22 56.0	
14	11	5	56 18.4	56 17.09	29	20	17 19 40.0	
15	9	4	31.2	56 39.02	21	55	17 15 57.5	
16	10	6	57.8	56 47.39	24	10	17 17 5.0	
17	9	7	57 10.2	56 50.63	45	08	17 27 34.0	
18	8	8	22.0	56 53.29	61	00	17 35 30.0	
19	10	8	37 0	57 8.30	55	46	17 32 53.0	
20	10	4	58 3.0	58 10.82	24	12	17 17 6.0	
21	10	4	52.2	59 0.02	23	14	17 16 37.0	
22	10	5	59 7.0	59 5.69	33	58	17 21 59.0	
23	10	6	40.0	59 29.57	65	35	17 37 47.5	
24	10	4	56.8	18 0 4.63	58	30	17 34 15.0	
25	9	4	0 19.2	0 27.03	44	40	17 27 20.0	
26	10	8	42.0	0 13.32	39	22	17 24 41.0	
27	9	5	56.6	0 55.19	41	44	17 25 52.0	
28	9	6	1 15.5	1 5.08	53	40	17 31 50.0	
29	11	6	46.0	1 35.57	64	10	17 37 5 0	
30	8	3	2 4.0	2 20.94	60	31	17 35 15.5	
31	9	3	23.5	2 40.44	52	40	17 31 20.0	
32	9	4	43.0	2 50.83	47	15	17 28 37.5	
33	9	4	3 2.5	3 10.33	41	02	17 25 31.0	
34	10	4	19.0	3 26.82	28	39	17 19 19.5	
35	9	4	34.2	3 42.02	30	30	17 20 15.0	
36	9	5	58.0	3 56.69	32	25	17 21 12.5	
37	10	3	4 10.2	4 27.13	37	10	17 24 35.0	
38	10	4	52.0	4 59.83	40	10	17 25 5.0	
39	10	4	5 7.5	5 15.33	37	20	17 23 40.0	
40	10	7	26.0	5 6.41	72	29	17 41 14.5	
41	9	7	6 3.0	5 43.44	40	30	17 25 15.0	
42	10	5	23.0	6 21.69	32	30	17 21 15.0	
43	10	6	42.0	6 31.59	28	40	17 19 20.0	
44	10	8	7 2.0	6 33.34	20	38	17 15 19.0	
45	10	7	25.0	7 5 43	45	11	17 27 35.5	
46	9	5	57.5	7 56.19	33	08	17 21 34.0	
47	11	8	8 20.0	7 51.34	25	22	17 17 41.0	
48	10	5	45.0	8 43.69	53	53	17 31 56.5	
49	9	6	9 15.0	9 4.58	55	02	17 32 31.0	
50	10	8	30.0	9 1.29	64	00	17 37 0.0	
51	10	7	49.2	9 29.64	41	10	17 25 35.0	
52	9	7	10 13.0	9 53.45	29	20	17 19 40.0	
53	10	5	36.2	10 34.89	53	40	17 31 50.0	
54	10	5	11 46.8	11 45.49	51	37	17 30 48.5	
55	10	7	12 14.4	11 54.86	17	44	17 13 52.0	
56	10	4	36.0	12 43.82	27	00	17 18 30.0	
57	8	6	51.0	12 40.59	37	50	17 23 55.0	dupl. austr.

			m s	h m s		° ′ ″	
58	10	4	13 16.2	18 13 24.03	58 30	17 34 15.0	dupl. austr.
59	8	4	42.8	13 50.63	48 42	17 29 21.0	
60	10	5	59.0	13 57.69	57 50	17 33 55.0	
61	10	5	14 12.0	14 10.69	61 40	17 35 50.0	
62	10	6	26.0	14 15.58	47 11	17 28 35.5	
63	10	6	44.1	14 33.68	52 05	17 31 2.5	dupl. austr.
64	10	6	15 1.8	14 51.39	43 21	17 26 40.5	
65	10	4	15.2	15 23.03	48 50	17 29 25.0	
66	10	8	54.0	15 25.34	25 25	17 17 42.5	
67	9	5	16 9.0	16 7.69	38 15	17 24 7.5	
68	10	8	27.2	15 58.51	49 40	17 29 50.0	
69	9	8	38..	16 9...	53 00	17 31 30.0	
70	11	8	17 17.0	16 48.32	37 20	17 23 40.0	
71	9	5	44.0	17 42.69	40 58	17 25 29.0	
72	9	5	18 1.8	18 0.49	24 10	17 17 5.0	
73	10	3	16.0	18 33.02	30 58	17 30 29.0	
74	10	8	32.0	18 3.34	29 20	17 19 40.0	
75	10	4	53.0	19 0.82	18 48	17 14 24.0	
76	10	5	19 12.0	19 10.69	32 25	17 21 12.5	
77	11	8	30.0	19 1.32	44 56	17 27 28.0	
78	11	3	20 20.0	20 36.93	40 46	17 25 23.0	
79	8	3	43.0	20 59.93	39 55	17 24 57.5	
..	..	4	52.0	20 59.83	.. ..	.. ..	
80	10	6	21 17.9	21 7.50	18 10	17 14 5.0	
81	10	6	36.0	21 25 59	23 28	17 16 44.0	
82	10	4	55.1	22 2.92	30 30	17 20 15.0	
83	9	4	22 14.2	22 22.02	31 52	17 20 56.0	
84	10	5	28.2	22 26.89	33 58	17 21 59.0	
85	10	8	52.2	22 23.52	42 51	17 26 25.5	
86	9	4	23 14.0	23 21.82	28 01	17 19 0.5	
87	9	8	30.0	23 1.33	30 05	17 20 2.5	
88	10	4	54.1	24 1.92	31 00	17 20 30.0	
89	9	4	24 26.0	24 33.83	41 58	17 25 59.0	
90	9	3	58.0	25 14.92	27 09	17 18 34.0	
91	8	4	25 21.0	25 28.83	40 00	17 25 0.0	
92	10	6	37.0	25 26.58	44 51	17 27 25.5	
93	10	6	26 0.0	25 49.59	25 28	17 17 44.0	dupl. austr.
94	9	8	28.0	25 59.34	22 33	17 16 16.5	
95	8	6	45.2	26 34.79	33 20	17 21 40.0	
96	10	6	59.8	26 49.39	32 41	17 21 20.5	
97	10	8	27 18.2	26 49 54	27 33	17 18 46.5	
98	9	6	42.0	27 31 59	40 31	17 25 15.5	
99	10	7	28 2.4	27 42.84	38 15	17 24 7.5	
100	10	5	28.2	28 26.89	23 10	17 16 35.0	
101	9	5	47.0	28 45.69	27 11	17 18 35.5	
102	11	5	29 10.2	29 8.89	38 08	17 24 4.0	
103	10	7	46.0	29 26.45	23 46	17 16 53.0	
104	11	7	30 8.0	29 48.44	33 00	17 21 30.0	
105	9	7	3c.0	30 10.44	38 04	17 24 2.0	
106	10	7	48.0	30 28.44	40 02	17 25 1.0	
107	10	8	31 12.0	30 43.34	21 05	17 15 32.5	
108	10	3	29.0	31 45.91	22 50	17 16 25.0	

			m s	h m s			° ′ ″
109	9	4	31 42.1	18 31 49.92	25	30	17 17 45.0
110	9	5	32 0.0	31 58.69	31	40	17 20 50.0
111	9	6	29.0	32 18.60	19	50	17 14 55 0
112	10	3	49.2	33 6.11	23	39	17 16 49.5
113	9	5	33 12.2	33 10.89	31	32	17 20 46.0
114	10	8	31.0	33 2.32	42	00	17 26 0.0
115	11	6	56.0	33 45.59	31	14	17 20 37.0
116	11	5	34 19.0	34 17.69	22	50	17 16 25.0
117	10	5	39.0	34 37.69	35	02	17 22 31.0
118	10	4	35 25.0	35 32.82	17	32	17 13 46.0
119	10	7	43.5	35 23.94	36	33	17 23 16.5
120	10	5	36 0.2	35 58.89	43	10	17 26 35.0
121	10	6	14.5	36 4.08	46	30	17 28 15.0
122	9	4	33.2	36 41.02	29	32	17 19 46.0
123	9	5	53.0	36 51.69	27	39	17 18 49.5
124	8	7	37 15.0	36 55.44	30	13	17 20 6.5
125	11	4	38 7.2	38 15.02	30	40	17 20 20.0
126	9	5	24.3	38 22.99	35	00	17 22 30.0
127	11	6	39 38.0	39 27.59	29	30	17 19 45.0
128	10	5	40 17.0	40 15.69	23	50	17 16 55.0
129	10	5	33.5	40 32.19	19	38	17 14 49.0
130	11	4	41 17.0	41 24.83	44	00	17 27 0.0
131	10	4	30.0	41 37.83	44	00	17 27 0.0
132	11	8	59.0	41 30.34	26	30	17 18 15.0
133	9	3	42 15.0	42 31.91	23	47	17 16 53.5
134	10	4	40.1	42 47.92	24	13	17 17 6.5
135	10	7	59.0	42 39.44	35	10	17 22 35.0
136	10	3	43 16.5	43 33.42	35	00	17 22 30.0
137	10	7	57.2	43 37.64	34	11	17 22 5 5
138	11	6	44 30.0	44 19.59	23	50	17 16 55.0
139	9	3	45 4.8	45 21.72	31	55	17 20 57.5
140	10	5	29.5	45 28.19	22	32	17 16 16.0
141	9	5	52.0	45 50.69	22	30	17 16 15.0
142	9	5	46 5.1	46 3.79	27	14	17 18 37.0
143	10	5	38.0	46 36.69	23	38	17 16 49.0
144	9	4	47 7.8	47 15.62	32	12	17 21 6.0
145	9	4	40.2	47 48.02	24	32	17 17 16.0
146	10	4	56.0	48 3.82	30	58	17 20 29.0
147	9	7	48 21.0	48 1.44	40	34	17 25 17.0
148	10	7	39.8	48 20.24	39	18	17 24 39.0
149	9	4	55.5	49 3.33	46	23	17 28 11.5
150	11	7	49 29 0	49 9.44	30	13	17 20 6.5
151	9	4	45.2	49 53.03	36	14	17 23 7.0
152	10	3	50 3.2	50 20.13	37	46	17 23 53.0
153	9	7	22.0	50 2.43	44	41	17 27 20.5
154	10	8	49.0	50 20.32	37	48	17 23 54.0
155	10	5	51 8.0	51 6.69	34	50	17 22 25.0
156	10	8	29.0	51 0.34	24	23	17 17 11.5
157	10	4	59.2	52 7.03	39	50	17 24 55.0
158	10	5	52 20 0	52 18.69	40	20	17 25 10.0
159	9	4	32.0	52 39.83	43	50	17 26 55.0
160	10	6	51.0	52 40.59	36	50	17 23 25.0
161	10	4	53 18 2	53 26.02	25	29	17 17 44.5

			m	s	h	m	s			°	'	"	
162	9	4	53	44.2	18	53	52.02	26	30	17	18	15.0	
163	10	5	54	4.2		54	2.89	31	43	17	20	51.5	dupl. austr.
164	10	5		37.1		54	35.79	21	29	17	15	44.5	

Zone 96. **1857. 14. Juli.** ♂

Decl. + 18° 5′ bis 18° 20′.

			m	s	h	m	s			°	'	"	
1	11	8	44	59.0	17	44	30.19	142	21	18	16	10.5	
2	10	8	45	17.0		44	48.17	154	41	18	22	20.5	
3	11	8		35.0		45	6.20	134	47	18	12	23.5	
4	9	5		53.1		45	51.79	134	38	18	12	19.0	
5	10	5	46	11.3		46	9.99	133	14	18	11	37.0	
6	10	5		26.3		46	24.99	125	51	18	7	55.5	
7	10	3	47	0.0		47	17.00	139	58	18	14	59.0	
8	9	8		13.0		46	44.17	150	23	18	20	11.5	
9	11	7		27.4		47	7.74	147	49	18	18	54.5	
10	10	6		54.5		47	44.04	139	32	18	14	46.0	
11	8	8	48	14.0		47	45.20	134	33	18	12	16.5	
12	11	6		36.1		48	25.64	137	23	18	13	41.5	
13	11	5		50.0		48	48.69	143	01	18	16	30.5	
14	8	4	49	22.0		49	29.87	150	50	18	20	25.0	dupl.
15	10	8	50	3.3		49	34.49	143	32	18	16	46.0	
16	10	8		29.5		50	0.71	126	11	18	8	5.5	
17	9	7		46.2		50	26.56	119	35	18	4	47.5	
18	10	7		58.0		50	37.36	117	12	18	3	36.0	
19	10	5	51	15.0		51	13.69	125	59	18	7	59.5	
20	10	6		29.0		51	18.54	132	00	18	11	0.0	
21	9	5		43.1		51	41.79	131	45	18	11	22.5	dupl. praec.
22	10	7	52	20.2		52	0.54	146	44	18	18	22.0	
23	10	6		36.4		52	25.93	141	22	18	15	41.0	
24	11	4		58.0		53	5.85	122	42	18	6	21.0	
25	10	4	53	23.2		53	31.05	119	40	18	4	50.0	
26	10	7		41.0		53	21.35	135	06	18	12	33.0	
27	10	6		59.0		53	48.53	150	45	18	20	22.5	
28	11	5	54	23.0		54	21.69	147	22	18	18	41.0	
29	11	6		45.0		54	34.53	145	40	18	17	50.0	
30	10	3	55	2.0		55	19.00	137	32	18	13	46.0	
31	11	7		22.0		55	2.36	125	10	18	8	5.0	
32	11	3		58.0		56	14.99	121	50	18	5	55.0	
33	11	5	56	14.2		56	12.89	139	51	18	14	55.5	
34	9	3		32.8		56	49.80	143	40	18	16	50.0	
35	9	5		51.0		56	49.69	134	40	18	12	20.0	
36	9	8	57	4.2		56	35.41	124	58	18	7	29.0	
37	9	3		40.0		57	57.01	151	39	18	20	49.5	
38	9	3		56.2		58	13.21	149	10	18	19	35.0	
39	9	6	58	12.8		58	2.33	144	42	18	17	21.0	
40	11	6		28.0		58	17.53	147	42	18	18	51.0	
41	10	7		40.0		58	20.34	144	38	18	17	19.0	
42	9	6	59	1.0		58	50.54	125	30	18	7	45.0	
43	11	8		13.0		58	44.22	119	10	18	4	35.0	

			m s	h m s			° ′ ″	
44	10	4	59 37.0	17 59 44.86	140	20	18 15 10.0	dupl. praec.
45	10	4	0 3.2	18 0 11.06	143	10	18 16 35.0	
46	11	6	29.0	0 18.53	141	32	18 15 46.0	
47	10	4	47.8	0 55.66	141	40	18 15 50.0	
48	9	7	1 2.2	0 42.56	119	17	18 4 38.5	
49	10	5	27.0	1 25.69	137	35	18 13 47.5	dupl. seq.
50	10	5	47.0	1 45.69	147	01	18 18 30.5	
51	11	5	2 2.2	2 0.89	148	15	18 19 7.5	
52	11	6	34.1	2 23.64	132	00	18 11 0.0	
53	11	7	52.0	2 32.35	129	40	18 9 50.0	
54	10	4	3 4.1	3 11.96	126	09	18 8 4.5	
55	10	4	25.0	3 32 86	123	32	18 6 46.0	
56	11	5	42:0	3 40.69	118	53	18 4 26.5	
57	9	7	4 1.0	3 41.34	140	08	18 15 4.0	
58	11	5	29.2	4 27.89	140	09	18 15 4.5	
59	8	5	40.0	4 38.69	144	10	18 17 5.0	
..	..	7	59.0	4 39.34	...	..	.. ..	
60	10	3	5 16.0	5 33.00	135	35	18 12 47.5	
61	9	7	41.4	5 21.76	120	08	18 5 4.0	
62	11	6	6 32.0	6 21.55	119	10	18 4 35.0	
63	10	5	58.8	6 57.49	129	40	18 9 50.0	
64	9	6	7 14.3	7 3.84	134	39	18 12 19.5	
65	9	6	29.0	7 18.54	133	10	18 11 35.0	
66	10	8	44.0	7 15.21	125	03	18 7 31.5	
67	10	5	8 2.0	8 0.69	127	10	18 8 35.0	
68	11	5	17.3	8 15.99	120	03	18 5 1.5	
69	11	6	46.0	8 35.53	152	55	18 21 27.5	
70	10	4	9 16.0	9 23.85	118	42	18 4 21.0	
71	9	5	39.8	9 38.49	140	18	18 15 9.0	
72	9	6	10 6.8	9 56.32	126	05	18 8 2.5	
73	8	5	28.0	10 26.69	116	40	18 3 20.0	
..	..	6	37.5	10 27.05	...	..	.. ..	
74	5	4	11 4.2	11 12.05	118	16	18 4 8.0	
..	..	6	23.0	11 12.55	118	15	18 4 7.5	
75	10	7	12 19.0	11 59.34	142	15	18 16 7.5	
76	9	4	59.1	13 6.97	149	21	18 19 40.5	
77	11	7	13 30.0	13 10.36	125	41	18 7 50.5	
78	10	6	51.2	13 40.74	126	10	18 8 5.0	
79	10	7	14 7.1	13 47.46	118	20	18 4 10.0	
80	10	7	20.0	14 0.36	119	00	18 4 30.0	
81	9	4	30.1	14 37.95	122	41	18 6 20.5	
82	10	7	50.2	14 30.56	122	00	18 6 0.0	dupl. praec.
83	10	6	15 6.0	14 55.55	120	20	18 5 10.0	
84	9	7	29 2	15 9.54	142	05	18 16 2.5	
85	11	7	59.0	15 39.34	150	20	18 20 10.0	
86	10	8	16 27.0	15 58.21	128	10	18 9 5.0	
87	10	7	41.8	16 22.15	128	20	18 9 10.0	
88	10	8	59.2	16 30.40	133	52	18 11 56.0	
89	10	7	17 21.2	17 1.56	122	25	18 6 12.5	
90	10	6	40.0	17 29.55	118	38	18 4 19 0	
91	10	4	59.0	18 6.86	123	15	18 6 37.5	
92	10	6	18 9.2	17 58.74	125	38	18 7 49.0	

			m s	h m s		° ′ ″	
93	9	8	18 27.6	18 17 58.80	130 48	18 10 24.0	
94	10	8	46.0	18 17.19	141 28	18 15 44.0	
95	10	5	19 1.0	18 59.69	139 28	18 14 44.0	
96	10	8	12.5	18 43.70	134 42	18 12 21.0	dupl. seq.
97	10	4	36.0	19 43.86	122 08	18 6 4.0	
98	9	3	52.0	20 9.00	139 40	18 14 50.0	
99	10	3	20 10.0	20 27.00	140 25	18 15 12.5	
100	9	5	29.0	20 27.69	130 04	18 10 2.0	
101	9	4	53.0	21 0.86	123 38	18 6 49.0	
102	9	5	21 15.0	21 13.69	123 52	18 6 56.0	
103	9	8	32.2	21 3.43	115 33	18 2 46.5	
104	10	4	52.0	21 59.86	127 31	18 8 45.5	
105	10	5	22 12.8	22 11.49	135 00	18 12 30.0	
106	10	8	27.0	21 58.20	137 22	18 13 41.0	
107	11	7	23 1.0	22 41.33	153 48	18 21 54.0	
108	10	7	32.2	23 12.54	141 50	18 15 55.0	
109	11	6	46.0	23 35.53	144 50	18 17 25.0	
110	9	4	24 10.5	24 18.36	134 58	18 12 29.0	
111	10	5	29.0	24 27.69	127 03	18 8 31.5	
112	9	5	44.2	24 42.89	122 10	18 6 5.0	
113	9	3	25 3.3	25 20.29	126 24	18 8 12.0	
114	11	7	26.0	25 6.35	135 43	18 12 51.5	
115	10	5	49.0	25 47.69	132 13	18 11 6.5	
116	8	6	26 2.0	25 51.54	126 01	18 8 0.5	
...	..	7	11.2	25 51.56	... ..	.. ..	

Sterne unruhig, Declinationen unsicher.

Zone 97. 1857. 15. Juli. ☿

Decl. + 16° 52′ bis 17° 7′.

1	9	8	46 44.0	17 46 15.38	226 57	17 1 28.5
2	9	4	59.4	47 7.21	221 46	16 58 53.0
3	9	8	47 12..	46 43...	232 49	17 4 24.5
4	9	7	32.5	47 12.97	237 53	17 6 56.5
5	9	5	50.2	47 48.89	232 12	17 4 6.0
6	11	7	48 13.0	47 53.49	212 50	16 54 25.0
7	9	5	27.0	48 25.69	210 52	16 53 26.0
8	11	7	48.0	48 28.48	227 28	17 1 44.0
9	11	5	49 24.0	49 22.69	234 58	17 5 29.0
10	10	5	43.0	49 41.69	237 40	17 6 50.0
11	10	5	50 2.0	50 0.69	234 25	17 5 12.5
12	9	6	18.0	50 7.60	244 12	17 10 6.0
13	9	4	33.1	50 40.92	240 16	17 8 8.0
14	10	7	54.4	50 34.88	229 21	17 2 40.5
15	10	5	51 16.0	51 14.69	217 48	16 56 54.0
16	10	5	32.2	51 30.89	212 08	16 54 4.0
17	10	5	53.0	51 51.69	208 39	16 52 19.5
18	10	3	52 19.0	52 35.89	219 32	16 57 46.0
19	11	6	53.5	52 43.10	246 03	17 11 1.5
20	8	3	53 15.0	53 31.90	238 23	17 7 11.5
..	..	4	24.0	53 31.81	... ..	.. ..

			m s	h m s			° ' "	
21	10	8	53 45.0	17 53 16.38	228	09	17 2 4.5	
22	10	6	54 5.0	53 54.61	224	41	17 0 20.5	
23	10	4	19.2	54 27.01	222	20	16 59 10.0	
24	9	8	44.1	54 15.50	205	49	16 50 54.5	
25	10	4	55 6.0	55 13.81	218	59	16 57 29.5	
26	10	5	28.0	55 26.69	219	13	16 57 36.5	dupl. austr.
27	11	5	51.0	55 49.69	214	22	16 55 11.0	
28	11	4	56 10.5	56 18.31	220	00	16 58 0.0	
29	10	6	28.1	56 17.70	239	30	17 7 45 0	
30	11	4	53 0	57 0.81	232	30	17 4 15.0	
31	11	4	57 8.0	57 15 81	226	51	17 1 25.5	
32	10	3	29.0	57 45.89	225	40	17 0 50.0	
33	8	5	58 1.0	57 59.69	215	18	16 55 39.0	
..	..	6	10.1	57 59.61	...	.	.. ..	
34	10	4	31.0	58 38.81	225	03	17 0 31.5	
35	10	8	53.0	58 24.37	233	29	17 4 44.5	
36	11	6	59 10.0	58 59.61	219	45	16 57 52.5	
37	11	6	32.0	59 21.61	217	42	16 56 51.0	
38	9	3	50.0	18 0 6.88	208	59	16 52 29.5	
39	9	4	0 8.3	0 16 11	211	11	16 53 35.5	
40	11	5	23.0	0 21.69	219	00	16 57 30.0	
41	11	5	41.0	0 39.69	231	00	17 3 30.0	
42	11	8	52..	0 23...	239	55	17 7 57.5	
43	10	6	1 17.8	1 7.41	220	10	16 58 5.0	
44	9	5	37.0	1 35.69	222	58	16 59 29.0	
45	10	8	57.0	1 28.38	228	03	17 2 1.5	
46	10	5	2 9.0	2 7.69	222	23	16 59 11.5	
47	10	8	27.4	1 58.79	217	19	16 56 39.5	
48	10	5	47.0	2 47.69	206	30	16 51 15.0	
49	9	5	3 12.0	3 10 69	230	19	17 3 9.5	
50	11	7	31.0	3 11.47	236	18	17 6 9.0	
51	10	3	4 27.2	4 44.08	217	41	16 56 50.5	
52	10	5	51.2	4 49.89	237	23	17 6 41.5	
53	9	5	5 11.0	5 9.69	243	33	17 9 46.5	
54	9	4	33.0	5 40.81	226	15	17 1 7.5	
55	9	4	49 2	5 57.01	226	05	17 1 2.5	
56	11	6	6 7.0	5 56.61	219	51	16 57 55.5	
57	9	4	27.0	6 34.81	214	52	16 55 26.0	
58	11	4	48.0	6 55.81	210	41	16 53 20.5	
59	11	4	7 47.0	7 54.81	213	04	16 54 32.0	
60	9	4	8 11.2	8 19.01	233	29	17 4 44.5	
61	11	8	36.0	8 7.37	235	00	17 5 30.0	
62	11	4	51.2	8 59.02	242	10	17 9 5.0	
63	11	6	9 12.0	9 1.60	236	13	17 6 6.5	
64	9	4	32.0	9 39.81	230	10	17 3 5.0	
65	11	5	56.3	9 54.99	233	08	17 4 34.0	
66	11	5	10 36.2	10 34.89	221	22	16 58 41.0	dupl. praec.
67	11	7	58.3	10 38.79	217	34	16 56 47.0	
68	10	4	11 17.2	11 25.00	209	41	16 52 50.5	
69	9	5	37.1	11 35.79	218	55	16 57 27.5	
70	10	7	56.0	11 36 48	225	20	17 0 40.0	
71	11	7	12 19.0	11 59.49	212	48	16 54 24.0	

			m s	h m s			° ′ ″	
72	10	4	12 43.0	18 12 50.81	220	50	16 58 25.0	
73	9	3	13 5.1	13 21 99	220	50	16 58 25.0	dupl. seq.
74	11	4	31.0	13 38.81	233	43	17 4 51.5	
75	9	6	55.3	13 44.92	212	41	16 54 20.5	
76	9	5	14 29.0	14 27.69	237	02	17 6 31.0	
77	11	6	51.3	14 40 91	232	28	17 4 14.0	
78	10	5	15 13.0	15 11.69	235	16	17 5 38.0	
79	9	5	25.1	15 23.79	241	06	17 8 33.0	
80	10	3	43.0	15 59.90	233	10	17 4 35.0	
81	10	6	59.0	15 48.61	225	38	17 0 49.0	
82	9	3	16 12.8	16 29.70	230	48	17 3 24.0	
83	10	4	26.0	16 33.81	224	40	17 0 20.0	
84	10	6	55.1	16 44.72	204	21	16 50 10.5	
85	10	4	17 15.1	17 22.91	209	27	16 52 43.5	
86	11	4	40.0	17 47.81	220	43	16 58 21.5	
87	11	5	18 5.0	18 3.69	231	40	17 3 50.0	
88	11	7	19 0	17 59.47	237	12	17 6 36.0	
89	11	5	38.0	18 36.69	235	20	17 5 40.0	
90	10	3	53.5	19 10.40	237	13	17 6 36.5	
91	11	4	19 17.0	19 24.81	227	23	17 1 41.5	dupl. austr.
92	10	5	45.0	19 43.69	215	30	16 55 45.0	
93	11	5	58.2	19 56.89	221	38	16 58 49.0	
94	11	6	20 21.1	20 10.71	227	10	17 1 35.0	
95	11	6	21 4.5	20 54.11	222	20	16 59 10.0	
96	10	4	27.0	21 34.81	218	00	16 57 0.0	dupl. bor.
97	11	5	43.0	21 41.69	212	40	16 54 20.0	
98	11	5	22 12.0	22 10 69	215	07	16 55 33.5	
99	11	6	33.2	22 22.81	209	29	16 52 44.5	
100	9	6	58.0	22 47.61	209	28	16 52 44.0	
101	9	3	23 22.0	23 38.90	231	09	17 3 34.5	
102	10	4	44.0	23 51.81	235	11	17 5 35.5	
103	10	3	24 3.2	24 20.10	238	10	17 7 5.0	
104	11	6	27.0	24 16.61	234	30	17 5 15.0	
105	11	5	51.0	24 49.69	233	59	17 4 59.5	
106	11	5	25 22.8	25 21.49	220	05	16 58 2.5	
107	9	3	37.8	25 54.69	218	34	16 57 17.0	
108	11	5	26 5.1	26 3.79	205	20	16 50 40.0	
109	11	6	24.0	26 13.62	211	59	16 53 59.5	
110	10	3	47.1	27 4.00	236	00	17 6 0.0	
111	9	5	27 10.1	27 8.79	245	11	17 10 35.5	
112	8	5	32.0	27 30.69	238	42	17 7 21.0	
113	10	3	57.0	28 13.88	216	50	16 56 25.0	
114	10	8	28 15.0	27 46.40	207	29	16 51 44.5	
115	11	4	34.0	28 41.81	229	53	17 2 56.5	
116	10	5	58.0	28 56.69	232	17	17 4 8.5	
117	11	4	29 22.2	29 30.01	226	20	17 1 10.0	
118	10	7	43.0	29 23.49	215	20	16 55 40.0	
119	11	7	59.0	29 39.49	214	10	16 55 5.0	
120	10	4	30 14.5	30 22.30	207	10	16 51 35.0	
121	11	5	43.0	30 41.69	225	50	17 0 55.0	

METEOROLOGISCHE

BEOBACHTUNGEN

IM JAHRE 1866.

Jänner 1866.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	"	°	'''			"	°	'''		
1	27.746	— 3.2	1.4	SO 2	N. 4	27.602	— 2.6	1.7	SO 2	N. 4
2	27.812	— 2.6	1.6	SSO 0	N. 4	27.901	+ 0.9	2.0	NW 0	tr. 4
3	27.878	— 2.7	1.6	SO 0	N. 4	27.827	— 1.5	1.8	S 0	N. 4
4	27.899	— 0.5	1.9	SSW 0	N. 4	27.871	+ 0.7	2.0	SSW 0	tr. 4
5	27.809	— 1.3	1.8	SO 1	N. 4	27.779	— 0.7	2.0	SO 1	N. 4
6	27.806	— 2.0	1.7	SSO 1	NF. 2	27.825	+ 0.7	2.0	SSO 2	H.N. 2
7	27.775	— 2.7	1.6	SO 0	N. 4	27.653	— 0.5	1.8	S 0	H. 2
8	27.491	— 3.4	1.5	S 1	tr. 4	27.360	— 1.5	1.8	SO 0	tr. 4
9	27.232	— 3.6	1.5	S 0	FS. 2	27.088	— 0.7	1.9	SSO 1	SN. 3
10	26.944	+ 1.4	1.9	NW 0	tr. 4	26.981	+ 2.6	1.8	NW 1	S. 4
11	27.257	+ 0.8	1.8	NW 0	FN. 2	27.096	+ 3.0	1.8	S 2	F. 2
12	27.158	+ 2.0	1.9	W 0	FS.N. 3	27.291	+ 4.5	2.2	WNW 3	tr. 4
13	27.587	+ 1.4	1.7	NNW 2	N. 4	27.626	+ 2.7	1.9	NW 2	FS.F. 2
14	27.751	— 1.0	1.7	SSW 1	N. 4	27.776	+ 1.1	2.1	SSW 0	N. 4
15	27.865	+ 0.2	1.8	SSO 1	N. 4	27.820	+ 2.9	2.2	SSO 1	H. 3
16	27.895	+ 0.4	2.0	SSW 0	N. 4	27.848	+ 2.9	2.3	SSW 0	F.SN. 4
17	27.622	+ 0.2	1.9	S 0	N. 4	27.610	+ 6.2	2.6	W 3	S.FS. 3
18	27.820	+ 4.0	2.2	WNW 3	FS.F. 2	27.792	+ 5.0	2.5	WNW 2	tr. 4
19	27.768	+ 3.0	2.5	SW 0	FN. 2	27.688	+ 5.7	2.7	NNO 0	N. 1
20	27.780	+ 0 5	2.0	SW 0	N. 4	27.695	+ 2.2	2.4	SSO 0	N. 4
21	27.788	— 0.8	1.7	SSW 0	N. 4	27 846	+ 0.0	1.9	SSO 0	N. 4
22	27.977	— 1.4	1.7	S 0	N. 4	27.932	1.3	1.8	SSO 0	N. 4
23	27.703	— 2.0	1.7	SSW 1	N. 4	27.568	— 0 7	1.8	SW 1	N. 4
24	27.834	+ 2.7	1.9	NW 1	F.FS. 2	27.898	+ 4.7	2.4	NW 1	HS. 3
25	27.925	+ 3.8	2.3	NW 2	H. 3	28.017	+ 5.5	1.9	NNW 3	H. 3
26	28.043	+ 4.1	2.6	NW 1	S. 4	28.049	+ 5.7	2.7	NW 1	H.S. 4
27	28.039	+ 3.6	2 8	NW 1	FS.N. 4	27.979	+ 5.4	2.9	N 0	FS. 3
28	27.916	+ 1.0	2.1	SSW 0	N. 4	27.865	+ 1.8	2.3	SSO 1	N. 4
29	27.707	— 0 3	2.0	S 1	N. 4	27.601	+ 0.7	2.2	S 1	N. 4
30	27.563	+ 7.0	2.3	WNW 2	FS.H. 4	27.613	+ 7.0	2.8	NW 3	FS.S. 4
31	27.809	+ 0.4	2.0	WNW 0	N. 2	27.689	+ 5.1	2.0	SO 2	FS. 1
M	27.716	+0.29	1 91	0.7	3.5	27.683	+2.18	2.14	1.1	3.4

Jänner 1866.

Bar. 0° (10 Uhr Abends)	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen
"	°	'''			°	°	'''	
27.706	— 2.7	1.5	SSO 0	N. 4	— 1.7	— 3.0	.....	Frstn. Schnee. Nrg. Glatteis.
27.955	+ 0.8	2.1	WNW 0	H.FS. 4	+ 1.3	— 2.7	0.50*	Mrgs. Schnee
27.864	— 1.2	1.8	SSW 0	N. 4	+ 0.2	— 2.5	.....	Frstn. Glatteis.
27.851	— 0.4	1.9	SO 0	N. 4	+ 0.9	— 1.3	.....	Glatteis.
27.806	— 1.0	1.8	SO 2	N. 4	— 0.5	— 2.0	.....	Nrg.
27.842	— 2.0	1.6	S 1	N. 4	+ 1.1	— 2.8	....	Höhennebel.
27.590	— 4.5	1.3	S 0	0	— 0.2	— 4.5	.....	Nachts Schnee.
27.224	— 2.0	1.7	S 1	tr. 4	— 1.2	— 3.7	1.90	öfter Schnee u. Rg.
26.874	+ 0.4	2.0	SO 0	tr. 4	+ 1.8	— 3.4	0.15*	Höhennebel Nachts Schnee.
27.130	+ 1.6	1.8	NW 2	0	+ 3.0	+ 0.3	.....	
27.054	— 0.3	1.9	SW 0	N. 2	+ 3.3	— 0.8	....	Mrgr. 3h Ab. 2 hor. Nebens.
27.510	+ 1.8	2.0	NW 0	tr. 4	+ 4.7	+ 1.3	0.15	Ab. schw. Regen.
27.744	+ 0.2	1.7	WNW 1	0	+ 2.9	— 1.8	.....	,
27.856	+ 0.8	2.0	SW 0	N. 4	+ 1.4	— 0.6	0.70	Schnee u. Regen.
27.886	— 0.2	2.0	SSO 0	N. 4	+ 3.5	— 0.4	.....	Mrgr. Höhenuebel
27.719	— 0.3	1.9	SO 1	N. 1	+ 3.0	— 0.3	.....	
27.846	+ 3.4	2.3	NW 2	tr. 4	+ 6.4	+ 0.5	0.51	Mrgs. Nrg. 2h Ab. Rg. Rgbg
27.831	+ 5.8	2.9	NW 2	tr. 4	+ 6.8	+ 3.0	.....	Rg.
27.729	+ 1.2	2.3	N 0	N. 4	+ 6.0	+ 0.2	.....	
27.732	— 0.2	2.0	SO 0	N. 4	+ 2.5	— 1.0	.....	Ab. Nrg.
27.937	— 1.0	1.8	SSW 1	N. 4	+ 0.2	— 1.5	....	Nrg. Glatteis
27.853	— 1.8	1.6	S 2	N. 4	— 0.8	— 2.1	.....	Nrg. Glatteis
27.709	+ 2.3	2.3	NNW 0	S.H. 4	+ 3.0	— 1.8	0.70	Nrg. Glatteis Rg. ☾ Hof
27.910	+ 3.2	2.0	NW 3	F.S. 1	+ 4.9	+ 2.6	....	
28.089	+ 3.4	2.4	NW 1	FS H 3	+ 5.7	+ 3.2	.....	schw. Rg.
28.061	+ 4.8	2.6	NW 0	S.FS. 3	+ 6.0	+ 3.5	.....	öfter schw. Rg.
27.962	+ 3.6	2.7	NNW 0	N. 4	+ 5.5	+ 1.0	.....	Höhennebel
27.803	+ 0.0	2.0	SSW 0	N 4	+ 2.2	— 0.4	.....	Nrg.
27.590	+ 0.0	2.0	S 1	N. 4	+ 7.2	— 0.3	.....	Nrg.
27.750	+ 3.6	2.1	NW 1	F.SH. 2	+ 8.0	+ 0.4	.....	Mrgr. Str. NW. schw. Rg.
27.606	+ 1.4	2.1	SO 0	F.HN. 3	+ 5.4	— 0.4	.....	Reif ☾ Hof u. Nebenm. (links)
27.710	+0.67	2.00	0.7	3.2			4.61	

Februar 1866.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.611	− 0.4	1.9	SO 0	FS.N. 3	27.568	+ 3.0	2.2	SO 1	F.FS. 3
2	27.391	+ 2.0	2.2	SSW 0	tr. 4	27.386	+ 5.0	2.5	SO 0	S. 4
3	27.381	+ 7.2	2.9	W 3	tr. 4	27.529	+ 6.2	2.7	NW 2	HS. 4
4	27.526	+ 4.2	2.1	WNW 2	FS. 3	27.611	+ 6.7	2.4	WNW 3	FS.H. 3
5	27.555	+ 3.6	1.9	SW 0	FS.F. 4	27.422	+ 8.5	2.4	NW 2	S.FS. 4
6	27.562	+ 4.1	2.1	W 0	FS F. 3	27.453	+ 4.7	2.5	WNW 2	S. 4
7	27.425	+ 8.9	2.9	WNW 4	FS H. 3	27.338	+11.6	3.3	WNW 4	S.FS. 4
8	27.412	+ 6.8	2.9	NW 1	FS. 3	27.510	+ 7.3	2.4	WNW 3	H. 3
9	27.630	+ 3.4	2.0	WNW 2	FS.F. 2	27.672	+ 6.2	1.8	NW 3	H. 2
10	27.602	+ 1.3	2.1	SW 0	FN. 0	27.521	+ 6.9	2.5	SSO 1	F. 1
11	27.412	+ 2.4	2.3	WSW 1	S.N. 3	27.449	+ 8.2	2.6	NW 1	FS.H. 3
12	27.087	+ 2.7	2.5	SO 0	N. 4	27.176	+ 6.2	2.3	NW 4	S.FS. 4
13	27.270	+ 3.4	2.4	WNW 0	tr. 4	27.281	+ 4.7	2.4	NW 1	tr. 4
14	27.459	+ 1.6	1.9	NW 1	FS.H. 2	27.498	+ 4.4	1.5	NW 2	H. 1
15	27.487	− 1.2	1.7	W 0	N. 1	27.339	+ 4.5	1.9	SSO 2	S.FS. 3
16	27.500	− 0.3	1.7	SW 0	S.N. 2	27.549	+ 5.0	2.0	NNW 0	H. 3
17	27.631	+ 0.6	2.0	SO 0	tr. 4	27.627	+ 6.1	2.7	SO 0	S. 3
18	27.604	+ 0.2	1.8	SO 0	FN. 3	27.542	+ 5.6	2.2	SSO 1	FS. 3
19	27.391	+ 1.1	2.1	S 0	S.N. 2	27.386	+ 4.5	2.4	N 1	S. 4
20	27.589	− 0.1	1.7	WNW 1	F. 1	27.614	+ 3.7	1.8	NW 0	HS. 2
21	27.687	− 4.2	1.2	NO 1	tr. 4	27.675	− 1.1	1.5	SO 0	tr. 4
22	27.681	− 1.2	1.5	NNW 1	tr. 4	27.696	+ 0.3	1.8	NNW 1	tr. 4
23	27.626	− 2.7	1.5	N 1	tr. 4	27.573	+ 2.2	2.0	NW 1	tr. 4
24	27.472	+ 1.2	2.1	SO 0	tr. 4	27.457	+ 4.2	2.6	WNW 0	tr. 4
25	27.534	+ 1.2	2.2	SO 0	tr. 4	27.526	+ 4.2	2.0	NNW 1	H.FS. 3
26	27.427	− 2.0	1.6	S 1	N. 4	27.353	+ 1.8	2.0	SO 2	HS. 4
27	27.294	+ 1.1	2.0	SSO 1	FS.F. 3	27.264	+ 5.6	2.4	SO 1	H. 3
28	27.139	− 0.4	1.9	SSO 0	N. 4	26.941	+ 9.0	2.6	S 3	S. 4
M	27.478	+1.59	2.04	0.7	3.1	27.462	+5.18	2.27	1.5	3.3

Februar 1866.

10 Uhr Abends								Anmerkungen.
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	
27.438"	+ 1.5°	2.1‴	SO 0	N. 4	+ 3.3°	— 0.2°	......	Reif Nachts Nrg.
27.392	+ 7.2	3.3	SW 0	FS.F. 3	+10.0	+ 2.0	2.‴50	öfter Regen
27.602	+ 4.1	2.4	WNW 1	FS. 1	+ 7.2	— 3.2	0.42	Mgs. Rg. Abdr.
27.714	+ 3.2	2.1	NW 1	F. 1	+ 8 8	+ 2.3	......	Str. WNW.
27.580	+ 4 3	2.3	WNW 3	FS. 3	+ 9.0	+ 3.4	0.20	A. schw. Rg. Höhenneb.
27.400	+ 8.0	2.8	WNW 4	FS. 1	+ 9.4	+ 4.0	0.72	Mrgr. Mittgs. Rg. Str. WNW.
27.324	+10.6	3.2	NW 3	FS.F. 2	+12.5	+ 6.4	......	Str. WNW. Abdr.
27.520	+ 3.7	2.4	NW 2	0	+ 8.0	+ 3.0	0.31	Rg. Str. WNW Abdr.
27.685	+ 2.8	2.2	W 0	F.N. 2	+ 6.7	+ 1.0	......	Mgr.
27.444	+ 3.4	2.4	SSO 0	N. 2	+ 7.8	+ 1.1	......	Reif Mrgr. u. Abdr.
27.299	+ 3.8	2.5	SSO 1	F.N. 3	+ 9.2	+ 2.0	......	Reif Mgr.
27.262	+ 4.8	2.3	NW 2	tr. 4	+ 6.6	+ 2.5	......	schw. Rg. Str. NW.
27.332	+ 3.7	2.3	NW 1	tr. 4	+ 5.2	+ 1.4	0.36	Nachts Rg. Schnee
27.539	+ 1.4	1.8	WNW 1	0	+ 4.8	— 1.6	......	
27.379	+ 1.0	1.8	SW 1	F.N. 1	+ 5.0	— 1.0	......	Reif. ⊙Hof
27.618	+ 1.0	1.9	SO 0	N. 1	+ 5.7	— 0.2	......	Reif.
27.580	+ 2.4	2.2	SO 0	N. 2	+ 6.8	0.0	0.35	Mrgs. Rg. Glatteis
27.479	+ 1.7	2.1	S 1	N. 1	+ 6.4	+ 0.3	......	⊙Hof
27.537	+ 1.1	2.1	NNW 2	F.N. 2	+ 4.8	— 0.3	1.49	Reif Abds. Rg. u. Schnee
27.675	— 0.8	1.6	NNO 0	tr. 4	+ 4.0	— 4.6	......	Reif
27.683	— 0.6	1.7	SO 2	tr. 4	+ 0.2	— 4.6	......	
27.703	— 2.2	1.6	N 0	tr. 4	+ 0.6	— 3.0	0.75*	Mrg. Schnee
27.567	+ 0.6	1.9	WSW 0	SH. 4	+ 2.7	— 2.5	1.20*	Mrg. Schnee
27.489	+ 1.6	2.3	SO 0	tr. 4	+ 4.5	+ 0.5	2.60	Rg.
27.516	+ 0.4	2.0	N 0	N. 2	+ 4.6	— 2.3	......	Rg. Schnee ⊙Hof; Abdr.
27.325	+ 1.3	2.2	SSO 2	tr. 4	+ 2.6	— 1.7	......	Reif Abdr.
27.263	+ 1.0	2.1	SSO 0	N. 2	+ 6.0	— 0.5	......	Höhennebel. ☾Hof
26.996	+ 6.8	3.2	SSW 0	FS.H. 3	+10.3	— 0.2	......	Str. S.
27.477	+2.35	2.24	1.0	2.3			10.90	

März 1866.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.073	+ 3.0	2.4	WNW 1	tr. 4	27.253	+ 6.5	2.4	NW 1	S.FS. 3
2	27.166	+ 3.4	2.5	WNW 1	FS.N. 3	27.188	+10.6	2.8	WNW 2	FS.F. 2
3	27.101	+ 5.8	2.3	NW 2	FS.F. 2	27.205	+ 4.7	1.8	NNW 1	FS.F. 3
4	27.291	− 0.3	1.7	NNW 1	tr. 4	27.376	+ 3.2	1.8	N 0	FS. 1
5	27.339	+ 2.8	2.4	SO 1	tr. 4	27.276	+ 5.8	2.6	SO 1	tr. 4
6	27.197	+ 3.4	2.6	WNW 0	N. 4	27.079	+ 7.0	3.0	S 0	N. 3
7	27.174	+ 4.8	2.3	NW 2	FS.H. 3	27.172	+ 8.6	2.4	NNW 1	H. 2
8	27.150	+ 0.5	2.0	NW 0	F.N. 1	27.087	+ 9.8	2.7	SO 1	H.S. 3
9	27.153	+ 2.3	2.2	S 0	tr. 4	27.166	+ 6.7	3.1	S 0	tr. 4
10	27.228	+ 4.4	2.8	SO 0	S.FS. 3	27.339	+ 9.6	3.0	WNW 1	H.S. 3
11	27.569	+ 1.6	1.9	NNW 1	FS. 3	27.606	+ 1.9	1.7	NNW 2	H.S. 4
12	27.489	+ 2.4	1.8	NW 4	S.FS. 4	27.437	+ 4.2	2.0	NW 4	tr. 4
13	27.299	+ 1.0	2.1	SW 0	F.N. 1	27.108	+ 9.6	2.7	NNW 1	H. 3
14	26.944	+ 1.8	2.3	SW 0	N. 4	26.828	+ 5.2	2.9	SO 1	tr. 4
15	27.180	− 0.1	1.7	NNW 2	S.FS. 3	27.250	+ 1.2	1.8	N 2	H. 2
16	27.389	− 3.2	1.4	NNW 1	0	27.360	+ 3.4	1.9	NO 0	0
17	27.313	+ 1.4	2.1	SSO 1	tr. 4	27.158	+ 7.5	2.7	SSO 1	S.FS. 4
18	27.122	+ 3.0	2.5	NW 0	tr. 4	27.009	+ 8.9	3.4	SSO 0	FS.H. 3
19	27.183	+ 4.4	2.5	S 1	F. 1	27.071	+11.4	2.6	S 1	FS. 3
20	26.822	+ 6.0	2.4	WNW 2	F. 1	26.978	+11.8	3.0	NW 1	FS.H. 2
21	26.931	+ 3.0	2.5	N 1	tr. 4	26.927	+ 2.6	2.2	NW 1	tr. 4
22	27.105	+ 1.8	2.0	NW 1	FS. 2	27.141	+ 4.2	2.1	N 1	S.H. 4
23	27.434	+ 3.7	2.1	NW 2	FS.F. 3	27.610	+ 5.0	1.4	NW 1	S.H. 4
24	27.591	+ 0.1	1.7	SO 2	0	27.320	+ 6.7	2.3	S 3	S.FS. 4
25	27.235	+ 4.6	2.7	WSW 0	N. 4	27.274	+ 9.1	3.1	W 0	S.FS. 3
26	27.475	+ 5.0	2.4	NW 2	S.FS. 4	27.570	+ 8.2	3.0	NNW 2	H.S. 4
27	27.787	+ 3.4	2.0	NNW 1	S.FS. 4	27.763	+ 5.6	2.1	NW 1	H.S. 4
28	27.688	+ 3.4	2.2	NNW 0	tr. 4	27.676	+ 3.8	2.4	NW 1	H.S. 4
29	27.746	+ 1.4	1.6	NNW 1	tr. 4	27.731	+ 3.4	1.8	NNO 2	H.S. 4
30	27.759	+ 0.3	1.6	NNW 1	tr. 4	27.742	+ 1.9	1.8	N 1	tr. 4
31	27.683	− 1.0	1.8	NNW 0	F.N. 2	27.593	+ 7.3	2.4	SO 1	FS.H. 3
M	27.310	+2.40	2.15	0.9	2.9	27.299	+6.30	2.42	1.2	3.1

März 1866.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
''	°	'''			°	°	'''	
27.105	+ 4.4	2.5	SO 2	FS.H. 4	+ 7.5	+ 2.8	1.52	Mgs. Rg. 3h Ab. ⊙Hof
27.120	+ 6.1	3.0	WNW 0	FS.N. 3	+ 11.3	+ 3.4	......	Mgs. schw Rg. ☾Hof gr. u. kl
27.252	+ 0.6	1.9	SO 1	tr. 4	+ 6.1	− 1.5	0.30*	Mgs. schw. Rg. 4h Ab, 1 Nebens. Nachts Schnee.
27.376	+ 2.5	2.2	SO 1	tr. 4	+ 4.8	− 0.5	......	Mgs. Schnee Abdr.
27.212	+ 3.4	2.7	SW 0	N 3	+ 6.6	+ 2.5	......	Rg. Höhennebel
27.118	+ 5.8	2.8	WNW 1	S.FS. 3	+ 8.2	+ 3.2	......	Höhennebel, Abds. Rg. Abdr.
27.211	+ 4.4	2.4	NW 0	N 1	+ 9.5	+ 0.2	......	
27.147	+ 4.5	2.6	W 0	0	+ 10.4	+ 0.4	......	Reif 3h Ab. schw. Rg.
27.156	+ 6.8	3.3	SO 0	S. 4	+ 7.4	+ 2.3	3.50	öfter Rg.
27.489	+ 5.0	3.4	WNW 2	S.F. 3	+ 9.8	+ 1.2	0.76	Nachts Rg. u. Schnee
27.611	+ 1.5	1.8	NW 2	tr. 4	+ 3.1	+ 1.2	.....	Nachts Schnee
27.415	+ 3.8	2.3	WNW 3	tr. 4	+ 5.0	+ 0.8	......	Str. WNW Abdr.
27.091	+ 4.6	2.6	WNW 0	F.N. 2	+ 10.1	+ 1.3	0.88	Reif Abds. Rg.
26.945	+ 2.5	2.3	NNW 2	tr. 4	+ 5.6	− 1.4	2.10	Rg. Nachts Schnee
27.344	− 2.0	1.7	NNW 2	0	+ 1.8	− 3.5	......	
27.354	+ 0.6	1.9	SSO 1	F.N. 3	+ 4.5	− 2.7	......	Reif Abdr.
27.152	+ 3.2	2.5	SO 1	F.N. 1	+ 10.2	+ 1.4	0.60	3¼h Ab. 2 Nebens. Nachts. Rg
27.097	+ 6.1	2.7	NW 3	S.FS. 4	+ 10.4	+ 3.8	2.65	Mgs. Nrg. 7h Ab. Gew. W. Rg.
26.853	+ 8.5	2.9	S 3	tr. 4	+ 11.8	+ 4.8	......	Mttgs. ⊙Hof; Abdr.
27.062	+ 6.5	2.7	NNO 1	tr. 4	+ 12.6	+ 2.5	......	Abdr. Nachts Rg.
27.103	+ 2.4	2.3	NW 1	tr. 4	+ 3.5	+ 1.6	12.50	Rg.
27.285	+ 3.4	2.3	NNW 0	FS.N. 3	+ 5.2	+ 1.6	0.07	Nachts Rg. Str. NW.
27.734	+ 1.4	1.7	NNW 0	0	+ 5.8	− 0.6	......	
27.176	+ 4.4	2.5	S 0	S.FS. 4	+ 8.3	+ 1.2	......	Reif Mittgs ⊙Hof
27.372	+ 6.0	2.7	NW 3	S.FS. 4	+ 9.4	+ 4.4	0.46	Mrgs- Rg.
27.732	+ 4.7	2.5	NNW 3	S.FS. 4	+ 8.6	+ 2.9	0.56	Mittgs. Schnee, Ab Rg.
27.730	+ 3.9	2.2	N 1	tr. 4	+ 6.0	+ 2.7	......	Abdr.
27.741	+ 2.4	1.6	NNW 2	S.FS. 3	+ 4.6	+ 0.3	0.50	N. Rg. Hgl. Schnee ☾Hof
27.740	+ 1.1	1.8	N 1	S. 4	+ 3.9	− 0.3	......	
27.731	+ 0.6	1.6	N 1	S. 4	+ 2.4	− 1.3	.....	öfter Schnee Abdr.
27.523	+ 3.1	2.1	S 2	S.FS. 2	+ 7.6	− 1.0	......	Reif; Mrgr. 6h Abd. 1 Nebens.
27.322	+ 3.62	2.38	1.3	3.0			26.90	

April 1866.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Ex-paus.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Ex-paus.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.426	+ 1.6	2.0	SO 2	FS.F. 2	27.359	+ 6.2	2.0	S 2	tr. 4
2	27.292	+ 3.0	2.3	SSO 0	FS.F. 2	27.222	+10.0	2.6	S 3	FS.F 3
3	27.291	+ 5.2	2.7	NW 1	tr. 4	27.405	+ 7.9	2.8	NNW 1	S. 4
4	27.253	+ 5.8	3.0	S 1	FS. 2	27.343	+10.2	2.9	WNW 1	S.● 4
5	27.557	+ 5.4	2.7	NW 0	tr. 4	27.611	+ 7.8	3.1	S 0	HS. 4
6	27.563	+ 6.6	3.3	S 0	FS.N. 3	27.510	+12.5	3.3	SSO 2	S. 4
7	27.603	+ 7.2	3.5	S 0	FS.N. 3	27.594	+16.2	4.5	SO 2	F.FS. 3
8	27.654	+ 7.4	3.2	S 0	0	27.604	+17.0	3.7	SO 2	0
9	27.626	+ 8.2	3.4	S 0	FS.F. 2	27.579	+18.0	3.3	S 3	FS.H. 3
10	27.524	+ 9.0	3.1	SSW 1	FS.F. 2	27.422	+15.7	3.3	SSW 3	HS. 3
11	27.571	+ 7.1	2.9	WNW 0	0	27.524	+13.8	2.7	NW 1	FS.H. 2
12	27.482	+ 7.8	2.9	NW 0	FS.N. 3	27.526	+11.9	3.4	N 1	S.FS. 3
13	27.649	+ 8.0	2.9	WNW 1	FS.F. 1	27.665	+12.7	3.2	NW 2	HS. 3
14	27.706	+ 5.7	2.9	NW 0	N. 1	27.603	+14.4	3.6	SSO 1	F. 1
15	27.609	+10.4	3.7	NW 2	tr. 4	27.762	+ 8.1	3.4	NW 2	S 4
16	27.894	+ 6.5	2.9	NW 1	F. 1	27.840	+12.4	2.5	NNW 2	H. 3
17	27.674	+ 4.8	2.4	S 0	F.N. 3	27.591	+17.3	2.9	NW 3	S.FS. 3
18	27.543	+10.5	3.1	W 0	F.FS. 4	27.492	+16.6	3.2	NW 3	S.FS. 3
19	27.530	+ 8.9	3.5	NW 1	0	27.473	+15.2	3.0	WNW 3	H. 3
20	27.622	+ 4.8	2.0	NNW 0	FS.F. 3	27.447	+14.0	3.3	SO 2	F. 2
21	27.561	+ 8.9	3.8	NW 1	S. 4	27.591	+17.2	3.6	NW 2	S. 4
22	27.666	+ 6.6	2.0	NNW 1	S. 4	27.667	+ 9.7	2.9	NNW 2	S. 4
23	27.742	+ 3.1	1.9	N 2	S.FS. 4	27.757	+ 4.4	2.6	N 1	tr. 4
24	27.846	+ 1.8	2.0	NW 1	0	27.822	+ 9.2	2.7	N 1	H. 1
25	27.797	+ 4.8	2.3	NW 0	F.N. 1	27.704	+12.8	2.8	N 1	FS. 1
26	27.628	+ 9.2	3.1	NNW 0	F.N. 1	27.597	+15.7	2.7	NW 1	H. 2
27	27.712	+ 5.7	2.7	N 0	0	27.578	+13.7	2.3	SO 1	0
28	27.389	+ 6.5	3.2	S 0	FS. 1	27.302	+18.0	4.7	S 1	F.FS. 1
29	27.279	+14.8	4.3	NW 0	S.FS. 4	27.230	+19.9	5.1	SSO 2	FS. 2
30	27.327	+10.0	4.2	NO 1	S. 4	27.197	+19.0	4.3	W 0	FS.H. 3
M	27.567	+6.84	2.93	0.3	2 2	27.534	+13.05	3.21	1.7	2.4

April 1866.

10 Uhr Abends											
Bar. 0°	Therm. Réaum.	Expans.	Wind		Wetter		Max.	Min.	Ombr.	Anmerkungen.
″	°	‴					°	°		
27.336	+ 3.8	2.6	SSW	0	S.FS.	4	+ 6.3	+ 1.4	......	Ab. schw. Rg.
27.161	+10.2	2.9	S	3	FS.	3	+12.0	+ 2.6	......	Abdr.
27.378	+ 5.8	2.8	S	0	tr.	4	+ 9.0	+ 4.5	0.‴30	öfter schw. Rg.
27.483	+ 6.8	2.7	N	0	tr.	4	+12.1	+ 5.0	......	5¼h Ab. 2 Nebens.
27.618	+ 6.5	3.3	S	0	tr.	4	+ 8.6	+ 5.3	0.93	Abds. Rg.
27.558	+10.1	4.1	S	0	F.N.	:	+13.0	+ 6.2	......	
27.615	+10.8	3.5	SSW	1		0	+17.1	+ 7.0	......	
27.622	+11.3	3.8	SW	0		0	+17.6	+ 7.3	......	
27.594	+12.1	3.3	SSW	0	tr.	4	+18.4	+ 8.0	......	Abdr.
27.518	+ 7.3	3.2	NW	3	S.FS.	3	+16.0	+ 6.4	......	Str. SSW. Ab. schw Rg.
27.496	+ 9.0	3.0	NNW	0	F.N.	2	+14.7	+ 6.4	......	6h Ab. Nebens. (rechts)
27.602	+ 8.6	2.9	NW	2	F.	1	+13.8	+ 6.2	......	
27.713	+ 8.8	3.5	NW	1	F	1	+13.6	+ 5.0	0.43	Ab. schw. Rg.
27.520	+10.8	3.3	SO	1	FS.F.	3	+15.4	+ 7.7	....	
27.851	+ 7.6	3.0	NW	2	tr.	4	+10.0	+ 6.2	0.30	öfter schw. Rg. u. Schneefl.
27.781	+ 8.1	3.1	NW	0	N.	1	+13.3	+ 4.4	......	
27.545	+10.6	3.4	W	0	N.	1	+17.7	+ 6.2	......	Mittgs. ⊙ Hof; 6h Ab. Nebens
27.452	+11.8	4.0	NW	2	S	4	+17.4	+ 8.4	......	öfter schw. Rg.
27.565	+ 9.5	2.9	N	1	tr.	4	+16.3	+ 4.5	......	öfter schw. Rg.
27.500	+10.4	3.6	NNW	2	S.	4	+15.8	+ 6.2	0.30	Ab. schw. Rg.
27.640	+ 7.0	3.1	NW	2	S.	4	+11.6	+ 5.8	0.55	öfter schw. Rg. ☾ Hof
27.722	+ 5.7	2.5	N	2	S.FS.	4	+10.0	+ 1.2	......	Mgs. schw. Rg. 9h ⊙ Hof.
27.803	+ 3.4	2.5	NW	2	tr.	4	+ 4.7	+ 0.2	6.64	Vormitt. Schnee, dann Rg.
27.808	+ 6.5	2.4	NW	0		0	+11.0	+ 3.4	.....	Reif
27.638	+ 9.2	3.1	NNW	0		0	+14.5	+ 6.6	......	Reif
27.704	+ 8.5	2.5	N	0		0	+16.8	+ 4.4	......	
27.354	+ 9.8	2.4	S	2	FS.F.	3	+15.0	+ 5.3	......	☾ Hof
27.187	+14.2	4.6	NW	0	S.FS.	4	+20.2	+ 8.4	......	☾ Hof gr. u. kl.
27.263	+12.9	4.7	NNW	2	H.GH.	4	+21.0	+ 9.5	......	Ab. Str. NW; Wttl. N
27.143	+14.7	4.0	SSW	2	FS.H.	3	+20.3	+10.0	0.15	5h Ab. 1 Nebens. dann Rg.
27.539	+9.06	3.22		1.0		2.6			9.60	

Mai 1866.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum	Expans.	Wind	Wetter
	"	°	'''			"	°	'''		
1	27.141	+10.3	4.2	W 0	FS.H. 3	27.100	+20.7	4.5	SO 2	FS. 3
2	27.005	+10.6	4.0	SO 2	S. 4	26.923	+15.0	4.8	S 2	S. 4
3	27.363	+ 6.8	3.0	WNW 2	S. 4	27.464	+12.0	3.0	NW 1	FS.H. 4
4	27.607	+ 6.4	3.3	S 0	N. 3	27.565	+15.2	4.5	SO 2	H. 2
5	27.537	+ 9.8	4.0	S 0	0	27.573	+17.3	4.1	NW 1	FS H. 3
6	27.830	+ 5.4	2.6	NW 1	F. 1	27.799	+10.6	2.8	N 1	FS.H. 1
7	27.779	+ 5.4	2.8	N 0	0	27.704	+13.6	3.1	SO 0	H. 1
8	27.676	+ 6.5	2.9	O 0	H. 3	27.623	+15.0	3.4	SO 0	FS.H. 2
9	27.555	+ 7.5	3.1	SW 0	FN. 3	27.469	+18.4	3.6	NW 1	FS. 2
10	27.469	+13.6	3.8	NW 1	FS.F. 3	27.478	+18 0	3.3	NW 1	FS.H. 3
11	27.600	+ 8.2	2.9	NW 1	FS.F. 2	27.564	+13.3	3.0	N 1	FS.H. 3
12	27.437	+10.2	3.9	SW 0	S. 4	27.293	+17.0	3.7	SO 3	H. 3
13	27.390	+ 6.2	2.9	WNW 2	tr. 4	27.354	+10.9	3.1	N 1	FS.H. 3
14	27.456	+ 7.4	3.1	WNW 2	H. 1	27.494	+11.3	3.1	NW 2	FS.H. 3
15	27.610	+ 5.6	2.6	NW 2	FS. 1	27.594	+10.5	2.7	NNW 2	FS.H. 3
16	27.677	+ 5.8	2 5	NNW 2	S 4	27.691	+ 8.7	2.4	N 2	H.S. 3
17	27.735	+ 4.6	2.3	N 2	H. 3	27.686	+ 9.1	2.0	N 2	FS.H. 3
18	27.683	+ 5.4	2.2	NNW 2	S.FS. 3	27.637	+ 8.9	2.7	NNW 1	H.S. 3
19	27.717	+ 4.8	2.0	NW 1	FS.F. 2	27.707	+10.0	2.1	NNW 2	FS.H. 2
20	27.711	+ 4.8	2.2	NNW 2	F. 1	27.690	+ 9 6	1.7	N 2	FS.H. 2
21	27.775	+ 3.2	2.1	N 1	S 4	27.793	+ 5.0	1.3	NNW 2	tr. 4
22	27.724	+ 2.5	1.8	NNW 1	FS. 2	27.685	+ 6.4	1.9	N 2	H.S. 4
23	27.688	+ 2.8	1 8	N 1	FS. 2	27.600	+ 7.0	1.6	NO 1	H. 3
24	27.456	+ 1.4	1.6	S 0	FS.F. 3	27.399	+10.2	2.6	S 3	S. 4
25	27.463	+ 5.8	2 4	SSO 0	FS.F. 3	27.453	+13.4	2.8	SO 2	FS.H. 3
26	27.336	+ 7.8	3.6	SSO 2	tr. 4	27.346	+ 7.5	5.7	SO 1	tr. 4
27	27.448	+ 7.5	3.8	SO 0	S 4	27.452	+16.2	5.2	OSO 1	FS.H. 2
28	27.505	+11.2	3.5	WSW 0	FS.F. 3	27.511	+18.4	5.1	NO 0	H.GH. 3
29	27.485	+ 9.8	4.3	WSW 0	F.N. 4	27.420	+19.3	5.7	S 0	H.GH. 2
30	27.381	+13.0	5.0	SSO 0	F. 2	27.378	+20 3	6.1	SO 0	FS.H. 3
31	27.404	+13.2	4.7	S 0	S.FS. 3	27.379	+22.1	4.7	S 1	F.FS. 2
M	27.537	+7.21	3.06	0.9	2.7	27.510	+13.26	3.33	1.4	2.8

Mai 1866.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
'''	°	'''			°	°		
27.092	+14.8	4.2	S 2	S. 4	+21.2	+10.4	.....	7-8½ʰ Mrgs. 1 Nebens. ⊙ Hof
27.121	+ 9.2	3.3	NW 4	S. 4	+16.4	+ 6.3	5.'''64	Mgs. Rg Rgbg Ab. 1 Nebs. NchtRg
27.533	+ 8.5	3.6	S 0	0	+13.2	+ 5.0	.....	Mrgs. Rg.
27.497	+12.0	4.7	S 1	F. 1	+16.3	+ 6.4	.....	
27.749	+ 8.5	3.5	NW 2	tr. 4	+17.7	+ 5.0	2.30	Mittgs. ⊙ Hof, 5ʰ Ab. Rg.
27.775	+ 8.4	3.1	N 0	FS.F. 2	+12.2	+ 4.5	.....	
27.683	+ 9.5	3.4	O 0	F.N 1	+14.5	+ 4.3	.....	
27.594	+10.8	3.5	SW 0	0	+16.1	+ 7.0	.....	N.
27.407	+14.1	4.5	SSO 0	FS.F. 3	+19.5	+10.0	.....	7ʰ Mgs. ⊙ Hof, 6ʰ Ab. 2 Nebs
27.532	+12.6	3.6	NW 1	tr. 4	+18.5	+ 9.4	.....	
27.508	+10.2	3.2	SSW 1	FS. 2	+15.1	+ 9.3	.....	Mgs. ⊙ Hof Mittgs. schw. Rg.
27.429	+ 7.1	4.2	WNW 2	tr. 4	+17.7	+ 5.3	7.35	N. öfter Rg. Ab Str. SO
27.400	+ 8.4	3.1	NW 2	FS.F. 2	+12.5	+ 5.7	.....	Abdr.
27.596	+ 7.0	2.8	NW 2	FS.F.. 2	+12.4	+ 4.6	0.44	Mrgs. Rg.
27.651	+ 8.1	2.6	NNW 2	FS.F. 3	+12.0	+ 5.4	.....	
27.727	+ 6.0	2.4	NNW 2	tr. 4	+ 9.6	+ 4.3	.....	9ʰ Ab. schw. Rg.
27.693	+ 6.5	2.1	NNW 3	FS.F. 2	+ 9.1	+ 4.9	.....	
27.698	+ 5.8	3.0	N 1	F. 2	+10.2	+ 4.4	1.20	öfter Rg. u. Hgl. Abdr. ☾ Hof
27.713	+ 6.8	2.1	N 1	FS.H. 3	+11.1	+ 4.4	.....	
27.774	+ 4.5	2.3	N 1	S. 4	+10.5	+ 2.8	.....	
27.796	+ 4.6	2.2	NW 1	tr. 4	+ 5.6	+ 2.2	0.14	öfter schw. Rg.
27.692	+ 3.4	2.0	N 1	FS.H. 4	+ 6.5	+ 0.8	.....	Nachmittags Schnee u. Hgl
27.530	+ 3.4	2.0	S 0	0	+ 7.8	+ 0.4	.....	Reif u. Eis
27.415	+ 7.7	2.4	SO 2	S. 4	+11.3	+ 4.2	.....	Reif u. Eis; Ab. schw. Rg
27.430	+ 8.5	3.3	S 1	S.FS. 4	+13.7	+ 6.8	.....	Abdr.
27.418	+ 6.8	3.5	SO 0	tr. 4	+ 9.6	+ 6.3	7.60	N. Rg.
27.471	+12.4	5.0	SSO 0	FS.F. 1	+17.4	+ 9.2	.....	
27.523	+12.4	5.1	WSW 0	FS. 2	+19.3	+ 8.7	.....	Mgs. ⊙ Hof 5 Ab. Gew. NO. Rgbg
27.377	+14.0	5.2	SSO 0	FS.F. 2	+20.5	+10.3	.....	(5ʰ Ab Gew. SW-O; Rg Rgbg. u.
27.377	+15.0	4.4	S 2	FS.S. 3	+20.8	+12.5	.....	) Nebbg 6ʰ Nebens. (links)
27.402	+16.0	4.6	S 0	FS.F 3	+22.4	+12.7	.....	Vormittgs. ⊙ Hof; Abdr.
27.536	+9.13	3.26	1.1	2.7			24.67	

Juni 1866.

Datum	6 Uhr Morgens							2 Uhr Nachmittags						
	Bar. 0°	Therm. Réaum.	Expans.	Wind		Wetter		Bar. 0°	Therm. Réaum.	Expans.	Wind		Wetter	
	"	°	'''					"	°	'''				
1	27.434	+14.8	4.9	S	1	F.	2	27.462	+21.3	5.0	S	3	FS.H.	3
2	27.559	+15.0	4.8	S	1	F	1	27.551	+21.0	3.0	S	2		0
3	27.585	+14.4	5.1	S	0		0	27.555	+22.2	4.9	S	1	H.	2
4	27.598	+16.8	5.7	SO	1	FS.	1	27.544	+21.8	5.3	SSO	0	H.GH.	2
5	27.582	+15.8	5.1	NW	3		0	27.568	+20.7	5.4	WNW	2	F.GH	2
6	27.593	+15.6	5.4	NW	1	FS.F.	1	27.536	+21.7	5.4	NW	0	H.GH.	3
7	27.632	+13.5	4.7	WNW	2	S.H.	3	27.632	+15.2	5.2	WNW	3	S FS.	3
8	27.721	+13.6	5.4	NW	1	S.FS.	3	27.721	+18.3	6.0	NW	2	S.FS.	3
9	27.788	+14.2	4.9	NNW	0	FS.	3	27.757	+19.6	4.7	N	1	H.	3
10	27.782	+14.4	4.5	N	0		0	27.732	+20.7	5.1	N	1	H.	2
11	27.662	+15.0	4.8	N	0	F.	2	27.592	+22.3	5.1	N	0	FS.H.	2
12	27.532	+19.0	5.8	NW	0	HF.	2	27.448	+24.3	5.5	WNW	1	FS H.	3
13	27.407	+17.4	6.0	S	0	F.	2	27.353	+25.3	6.2	NW	1	H.	1
14	27.530	+17.0	5.7	NW	1	FS.F.	1	27.524	+19.7	5.6	NW	1	H.S.	3
15	27.553	+13.6	5.8	NW	1	H.GH.	4	27.546	+16.5	5.0	NNW	0	H.S.	4
16	27.490	+12.6	4.6	WNW	1	FS.F.	1	27.383	+18.4	4.4	NW	1	GH	2
17	27.281	+15.4	5.0	WNW	0	FS.H.	3	27.064	+22.7	4.3	S	3	FS.H.	3
18	27.481	+ 9.7	3.1	NW	2		0	27.543	+14.3	3.1	NW	1	FS.H.	3
19	27.623	+10.4	3.9	WNW	1	F.	1	27.571	+19.3	4.4	S	0	F.	2
20	27.620	+11.2	4.6	S	1	FS.F.	3	27.701	+19.1	5.0	NW	1	S.	4
21	27.720	+13.6	4.8	N	0		0	27.638	+18.4	3.1	N	1	H.	1
22	27.640	+13.2	4.5	NO	0		0	27.597	+20.0	4.3	N	1	F.	1
23	27.624	+13.8	5.1	N	0	F.	1	27.621	+21.3	5.0	NW	1	HS.	3
24	27.674	+15.6	4.9	NW	2	FS.	2	27.628	+16.6	4.7	NW	0	HS.	4
25	27.602	+13.6	5.4	NW	0	S.FS.	4	27.558	+19.3	5.9	N	0	FS.H.	3
26	27.581	+14.2	5.7	OSO	0	S.FS.	4	27.570	+20.0	5.9	SSO	0	FS H.	3
27	27.592	+14.6	5.4	NW	0	S.FS.	4	27.563	+22.8	4.7	SO	2	F.FS.	2
28	27.609	+17.4	6.0	WNW	1	FS.F.	2	27.629	+19.1	6.6	SSW	0	S.FS.	3
29	27.627	+14.6	6.0	S	0	FS.F.	2	27.553	+22.9	6.8	S	2	H.	1
30	27.509	+18.0	5.3	WNW	2	F	1	27.465	+23.4	6.4	W	0	HS.	4
M	27.588	+14.90	5.10		0.8		1.4	27.553	+20.27	5.07		1.0		2.5

Juni 1866.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
″	°	‴			°	°		
27.501	+17.0	4.7	S 0	FS.F. 2	+22.7	+13.0	......	6¼^h Ab. schw. Reg
27.562	+16.5	4.9	S 0	0	+22.4	+12.7	......	
27.584	+17.8	5.1	NNO 0	SH. 3	+23.6	+15.0	......	Nachts schw. Rg.
27.540	+17.9	5.4	S 0	F 1	+23.2	+14.6	......	
27.600	+16.6	5.3	NW 1	FS.F. 2	+21.5	+14.6	......	
27.609	+14.5	5.1	NW 3	SH. 3	+22.5	+13.3	......	Wttl. N. u. S.
27.678	+15.0	5.6	NW 1	tr. 4	+17.3	+13.1	......	öfter Rg. Str. W-N. W 6^h Ab Gew. N. Rg
27.766	+15.8	5.1	NNW 1	S.F. 3	+18.7	+13.3	1.″69	öfter Rg. Abdr.
27.779	+15.6	4.6	N 0	0	+20.7	+13.0	......	
27.700	+16.4	5.1	N 0	F 1	+21.6	+13.2	......	6^h Ab. 2 hor Nebens.
27.559	+18.6	4.9	WNW 2	FS.F. 2	+23.0	+18.0	......	
27.419	+19.6	6.1	W 0	F. 1	+26.5	+16.0	......	Abdr.
27.433	+17.6	5.6	NW 3	H.GH. 2	+26.7	+15.9	......	Wttl. NW-S Str. WNW.
27.524	+14.2	5.6	NW 2	tr. 4	+23.1	+12.4	5.74	2^h Ab. Gew. W-SO; 9^h W-S 10^h NW-O Rg. Wttl. all. Richt
27.543	+12.2	4.7	NW 0	S. 4	+17.2	+11.6	1.40	öfters Rg.
27.347	+15.0	4.5	NW 0	FS.F. 2	+19.8	+13.2	......	Abdr.
27.378	+10.7	4.2	WNW 3	tr. 4	+23.5	+ 8.0	1.07	Mittgs. Str. S. 4^h Str. u. Gew WNW. Rg
27.589	+11.3	3.9	NNW 0	0	+15.7	+ 7.6	......	7-7½^h Ab. ⊙ Hof u. vert. Nebs.
27.602	+14.6	4.4	S 0	F 2	+20.6	+10.5	......	Abds. ⊙ Hof
27.711	+13.7	4.6	WNW 1	0	+19.4	+10.6	......	schw. Rg.
27.612	+15.3	4.8	NO 0	0	+19.9	+11.7	......	N.
27.601	+16.3	5.0	NO 0	FS.F. 2	+21.4	+13.2	......	
27.670	+15.2	5.5	WNW 0	S.FS. 4	+22.0	+13.0	......	2^h Ab. Gw. SO oft. Rg. 7½^h Rgbg
27.618	+14.6	5.8	NW 0	FS. 3	+20.2	+13.2	0.62	2^h Ab. Gew. O u. S öfter Rg.
27.561	+14.7	5.6	OSO 0	S.FS. 4	+19.8	+13.7	......	Mgs schw. Rg 3^h Ab Gw. W. Abd.
27.608	+15.3	5.5	W 1	S. 4	+21.5	+13.8	0.86	8^h Ab. Gew u Wttl. SW-WNW Rg
27.563	+18.0	5.6	S 0	FS.H. 3	+23.6	+14.4	......	6^h Ab. 2 hor. Nebens.
27.636	+16.0	6.3	S. 0	F. 1	+21.7	+13.2	......	1^h Mtts. Gew. S-O Rg. Wttl. SSW
27.489	+20.2	5.9	NW 2	H.GH. 4	+24.8	+16.0	......	Wttl. NW. Gew. N.
27.399	+16.4	6.1	W 0	F. 1	+24.7	+15.5	1.76	2^h Ab. Gew. W. Rg.
27.573	+15.75	5.18	0.7	2.2			13.14	

Juli 1866.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	"	°	‴			"	°	‴		
1	27.379	+16.2	6.2	WNW 1	FS. 2	27.304	+21.2	6.0	NW 2	FS.H. 3
2	27.318	+16.3	5.4	W 1	S 4	27.337	+17.3	6.0	W 0	S. 4
3	27.179	+15.1	5.8	S. 1	FS.F. 2	27.366	+13.1	3.9	NW 1	S. 4
4	27.390	+10.2	4.3	SW 0	S.FS. 4	27.371	+18.6	4.5	NW 1	FS.H. 3
5	27.461	+14.2	5.4	WNW 0	S.FS. 4	27.381	+20.3	5.7	S 1	F.FS. 3
6	27.394	+14.5	5.1	NW 1	FS. 3	27.457	+18.4	5.0	WNW 1	FS. 3
7	27.540	+12.6	5.2	NW 1	S 4	27.502	+17.5	5 4	NO 1	H.S. 3
8	27.706	+11.8	4.5	NW 1	FS. 2	27.707	+15.7	3.1	NW 2	H. 3
9	27.771	+11.8	3.8	NW 1	FS.H. 3	27.740	+15.6	4.2	WNW 3	H.GH. 3
10	27.738	+13.2	5.3	NW 1	S 4	27.737	+15.4	6.1	NW 1	S. 4
11	27.756	+14.2	5.8	NW 1	FS.H. 3	27.777	+17.3	5.0	N 2	H. 3
12	27.796	+13.4	4.3	NNW 0	FS.F. 2	27.747	+18.8	4.4	NNW 2	H. 3
13	27.721	+16.2	5.4	NW 0	FS.F. 2	27.685	+22 2	4.5	N 2	FS.H. 3
14	27.722	+17.5	5.6	NW 1	0	27.680	+23.5	5.6	NW 1	0
15	27.675	+18.1	6.4	NW 1	F. 1	27.625	+20.4	6.4	NW 2	H.S. 4
16	27.582	+18.3	6.8	WNW 1	FS. 1	27.525	+23.3	6.5	NW 1	FS 3
17	27.530	+16.6	5.1	NW 0	FS. 2	27.489	+22.2	6.4	NW 1	H.GH. 3
18	27.473	+16.6	6.5	NW 0	FS.F. 2	27.357	+24.0	5.5	NW 1	H.GH. 3
19	27.374	+16.8	6.4	WNW 0	FS. 3	27.239	+23.8	5.8	SO 1	GH. 2
20	27.302	+13.6	5.1	NW 0	S. 4	27.373	+15.7	4.4	NW 2	H.S. 4
21	27.486	+12.3	3.8	NW 3	S.FS. 4	27.492	+15.7	4.4	NW 3	FS.H. 3
22	27.515	+11.8	4.3	NW 2	FS.F. 4	27.536	+15.5	3.8	NW 3	F.FS. 3
23	27.476	+13.3	4.6	WNW 1	FS.F. 3	27.399	+18.9	4.4	NW 2	H.GH. 3
24	27.451	+11.6	4.1	N 0	FS.F. 4	27.406	+17.4	3.6	NNW 2	FS.H. 3
25	27.448	+13.6	4.7	NW 1	F. 1	27.458	+14.7	5.0	NW 1	H.S. 3
26	27.502	+12.0	4.5	NW 1	S. 4	27.511	+16.8	3.9	NW 2	H.S. 3
27	27.499	+11.2	3.8	NNW 2	FS. 3	27.441	+16.8	4.2	NW 1	H.S. 3
28	27.373	+12.9	4.5	NW 0	F.FS. 3	27.354	+15.3	5.1	W 1	FFS. 4
29	27 285	+11.6	4.9	NW 0	S. 4	27.199	+15.6	6.1	SSO 0	H.S. 3
30	27.214	+13.6	4.6	NW 2	FS.H. 3	27.280	+15.5	4.2	NW 2	FS.H. 3
31	27.453	+12.5	4.6	NW 1	FS. 1	27.373	+18.3	4.3	SO 0	FS.H. 3
M	27.500	+13.99	5.06	0.8	2.8	27.479	+18.21	4.95	1.5	3.1

Juli 1866.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
'''	°	'''			°	°		
27.313	+17.6	5.7	NW 2	FS. 3	+22.7	+15.6	......	
27.333	+16.0	5.7	W 0	tr. 4	+20.2	+13.8	0.'''40	Mgs. schw. Rg.
27.418	+10.4	4.1	W 0	tr. 4	+17.4	+ 9.6	1.45	Str.W.Rg.Abdr 2facher Rgbg.
27.418	+16.3	5.4	WNW 0	S.FS. 4	+20.1	+11.2	......	Mttgs.schwRg. Abdr
27.376	+15.1	5.7	WNW 2	H.GH 4	+21.6	+13.5	0.20	6^{h}AbNebsWttlNW11^{h}GwWRg
27.457	+15.6	5.2	NW 0	0	+19.7	+12.0	......	
27.634	+11.6	4.8	NW 0	tr. 4	+19.4	+10.7	4.50	öfter Rg.
27.780	+11.5	3.7	NW 0	0	+17.0	+ 9.8	0.50	Abds. Rg. Regbg.
27.716	+13.2	4.8	NW 2	tr. 4	+16.4	+12.2	......	7^h Mgs. schw. Rg.
27.785	+13.9	5.5	NW 2	FS.F 2	+17.5	+13.0	5.80	1½ u.4^h Ab.Gussrg.
27.776	+11.6	4.5	NNW 0	0	+18.5	+13.0	1.50	Mttgs. Gussrg.
27.722	+16.2	5.6	NNW 0	FS.F 3	+20.4	+14.2	......	5^{h}Ab.⊙Hof6^{h}1Nebens.Abdr
27.685	+18.6	5.6	WNW 0	F. 1	+23.6	+15.3	......	
27.677	+19.8	6.1	NW 0	0	+25.7	+16.0	......	1½^{h}Ab.StrNW 2-4^{h}Gw NW
27.623	+18.3	6.9	NW 0	0	+25.8	+16.4	0.86	NNW-ORg.Rgb Wttl.WNW
27.525	+17.8	6.7	WNW 0	0	+24.5	+16.1	0.10	3^h Ab. schw. Rg.
27.567	+18.6	6.7	W 0	FS.F. 2	+24.4	+15.8	0.13	6^h Ab. Gew. SO.7^{h}NNO Rg-Wttl. SW.
27.418	+16.0	5.9	N 1	FS.H. 3	+25.6	+14.5	11.74	3-5^{h}Ab. Gew SW-NO Gussregen Hgl. Abdr.
27.247	+14.6	5.6	NW 0	S.FS 4	+24.7	+13.3	5.80	5^{h}Ab. Gew. WNW-NO Gussregen Str. WNW.
27.446	+12.0	4.1	WNW 3	FS.F. 2	+16.6	+11.4	......	öfter schw. Rg.
27.455	+12.6	4.1	NW 2	FS.F. 2	+16.6	+10.7	0.34	öfterRg. 6^h Ab. 2fache Rgbg.
27.519	+13.2	4.1	NW 0	0	+16.9	+11.2	......	öfter. schw. Rg.
27.459	+13.4	4.2	N 0	0	+20.0	+10.9	......	Abdr.
27.432	+14.0	4.7	W 0	FS.F. 2	+19.2	+11.4	......	N.8^h Ab. schw. Rg.
27.471	+13.2	4.4	NW 2	FS.H. 3	+17.3	+11.3	0.35	1½^{h}u.5^{h}Ab.Gew.Ou.NW. Rg.
27.511	+12.8	3.8	NNW 2	S.FS. 4	+17.5	+10.5	......	Mgs. schw. Rg.
27.414	+12.9	4.3	NW 0	FS. 3	+17.2	+11.3	......	☾ Hof.
27.329	+12.6	4.7	NW 0	FS.H. 4	+16.6	+10.2	......	öfter. schw. Rg. N.
27.196	+13.2	4.9	NW 3	FS.H. 3	+17.3	+11.5	2.85	N.3-4^h Ab Gew. W-ONO. Rg
27.410	+12.6	4.1	NW 2	F. 1	+16.4	+10.6	......	schw. Rg. Str. N.W
27.318	+14.2	5.2	NW 1	tr. 4	+19.7	+ 9.1	13.10	Nachts Rg.
27.498	+14.50	5.06	0.8	2.3			49.62	

August 1866.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	″	°	‴			′	°	‴		
1	27.321	+ 9.5	4.2	WNW 2	tr. 4	27.400	+15.0	4.1	WNW 3	HS. 3
2	27.550	+11.6	4.0	NW 2	F. 1	27.492	+16.7	4.1	N. 1	H. 2
3	37.356	+11.6	4.1	W 1	FS. 3	27.383	+16.6	5.4	NW 1	S.FS. 4
4	27.464	+13.0	4.6	NW 3	FS. 3	27.402	+20.0	5.1	N 2	FS.H. 3
5	27.434	+12.0	4.3	NW 1	tr. 4	27.399	+13.8	4.3	SSW 1	S. 4
6	27.423	+11.0	4.3	WNW 0	tr. 4	27.480	+14.3	4.2	WNW 1	FS.H. 3
7	27.596	+ 8.4	3.7	WNW 0	F. 2	27.494	+18.7	5.0	S 1	F. 1
8	27.539	+10.6	4.4	SSO 0	0	27.500	+19.5	5.6	SO 0	S.FS. 2
9	27.400	+12.9	5.4	NW 0	F. 2	27.365	+14.2	5.4	NW 2	S. 4
10	27.396	+10.4	4.5	SW 0	FS.F. 4	27.427	+16.3	5.8	SW 0	S. 4
11	27.345	+11.8	4.9	NW 2	S.H. 4	27.459	+13.0	3.9	WNW 2	tr. 4
12	27.548	+ 9.4	3.7	NNW 2	S. 4	27.520	+13.2	3.6	NNW 2	FS.H. 3
13	27.371	+ 9.7	4.1	WNW 0	FSF. 4	27.317	+13.9	4.0	SO 1	FS.H. 2
14	27.375	+10.6	4.3	NW 10	FS. 3	27.413	+11.8	3.0	NW 2	HS. 4
15	27.416	+ 8.8	3.9	W 0	FS. 3	27.420	+17.4	4.8	S 0	FS. 4
16	27.527	+12.2	4.7	WNW 2	FS. 3	27.489	+16.8	4.9	NW 1	FS.H. 3
17	27.408	+ 9.8	4.3	WNW 1	FS. 2	27.391	+17.4	5.0	WNW 2	S.FS. 4
18	27.538	+12.2	4.7	NW 0	FS. 2	27.560	+16.9	4.1	NW 1	GH. 2
19	27.637	+ 9.6	3.6	W 0	FS. 2	27.572	+17.4	5.6	SSO 1	FS.H. 3
20	27.494	+13.6	5.6	SO 0	FS.F. 3	27.427	+20.0	6.0	O 0	FS.H. 3
21	27.360	+14.5	5.4	NW 2	FS. 3	27.371	+17.9	5.7	NW 1	HS. 2
22	27.435	+13.6	5.4	NW 0	S.FS. 4	27.460	+18.8	6.0	NNW 1	HS. 3
23	27.591	+12.6	5.1	NW 1	FS. 2	27.609	+18.0	4.3	NW 1	FH. 2
24	27.654	+14.0	4.7	WNW 0	0	27.607	+19.0	5.0	N 1	H. 1
25	27.637	+12.6	4.9	N 0	FS. 1	27.632	+19.3	5.0	N 1	H. 2
26	27.731	+11.8	4.8	WSW 0	0	27.741	+19.9	5.0	N 0	H. 2
27	27.744	+11.0	4.6	N 0	0	27.650	+20.8	4.8	SO 2	H. 1
28	27.526	+13.6	5.0	S 1	FS.F. 2	27.432	+21.2	5.3	S. 3	FS. 3
29	27.286	+16.6	4.4	S 2	FS. 3	27.336	+17.0	4.6	WNW 2	FS.F. 3
30	27.420	+11.2	4.3	WNW 1	FS. 3	27.448	+17.2	5.2	SSO 1	FS.H. 3
31	27.685	+11.2	4.2	WNW 1	F. 1	27.673	+18.4	4.8	S 1	FS.F. 3
M	27.491	+11.66	4.52	1.1	2.5	27.479	+17.12	4.84	1.2	2.8

August 1866.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
″	°	‴			°	°	‴	
27.506	+10.6	3.7	WNW 3	FS.F. 2	+16.3	+ 9.7	0.80	Mgs. Rg.
27.402	+13.2	4.6	SO 1	0	+17.4	+10.7	......	
27.462	+13.8	4.7	WNW 3	FS.F. 2	+17.7	+11.5	......	⊙ HofMttgs.schw.Rg
27.410	+14.5	5.7	NW 0	tr. 4	+21.4	+11.6	0.80	Mgs. u. Nachts Rg.
27.411	+11.1	4.7	WSW 0	tr. 4	+15.0	+10.5	6.00	Rg. 7^h Ab. Rgbg.
27.579	+10.8	3.7	NW 0	0	+15.2	+ 7.9	0.19	öfter schw. Rg.
27.428	+13.6	4.8	S 1	0	+20.0	+ 9.8	......	N.
27.468	+15.2	5.5	WSW 0	F. 1	+20.6	+10.9	......	N.
27.416	+12.3	4.4	WNW 1	0	+18.3	+ 9.7	2.50	1^h. Mttgs. Gew. SW-O. Rg. z. Abdr u. 2fach. Rgbg
27.590	+11.8	4.9	S 0	tr. 4	+16.9	+10.6	12.40	N. 6^h Ab. Rg. Nebens. Rgb.
27.559	+10.5	3.6	NNW 2	tr. 4	+13.5	+ 9.0	......	Mgs.schwRg.Str.NW
27.459	+10.4	3.8	NW 0	FS.F. 2	+14.6	+ 8.7	0.36	Mgs. schw. Rg.
27.343	+11.3	4.4	SO 0	S.FS. 4	+14.9	+ 9.3	......	Mgs. schw. Rg.
27.438	+10.8	4.3	WNW 0	F. 1	+13.0	+ 8.6	0 30	öfter. schw. Rg.
27.477	+12.7	4.7	WNW 1	FS.F 2	+18.2	+ 9.3	......	N. Ab. schw. Rg.
27.444	+12.5	4.9	WNW 0	0	+18.0	+ 9.4	......	Mttgs. schw. Rg.
27.452	+14.2	5.6	SSO 0	tr. 4	+18.3	+10.3	......	Ab. schw. Rg.
27.627	+13.6	4.1	NW 0	FS.F. 2	+17.8	+ 8.9	......	
27.508	+13.6	5.6	SO 0	FS.F. 2	+18.3	+10.0	......	⊙ HofNebens. Abdr. schw.Rg
27.368	+14.6	5.9	W 1	S. 4	+21.4	+13.2	9.00	Abdr. Wtll. W-S. 10^h Gew. W-SSOGussrg.
27.405	+14.4	5.7	NW 0	tr. 4	+18.4	+13.2	2.50	Abds. ⊙ HofNchtsRg
27.553	+13.6	5.4	NW 2	FS. 2	+19.2	+12.0	2.10	2^h Ab.Gussrg.GewSO
27.653	+14.7	5.4	NW 0	FS. 2	+19.3	+12.1	......	
27.620	+15.2	4.7	N 0	0	+20.2	+11.6	......	N.
27.685	+15.2	5.0	WSW 0	0	+20.1	+11.4	......	2^h Ab.Gew. O.5^h Gew.SO:Rg Rgbg.
27.760	+15.3	5.0	N 0	0	+21.2	+11.0	......	
27.581	+16.4	5.0	S 1	FS.F. 1	+21.8	+11.2	......	
27.355	+16.6	5.3	S 2	FS. 2	+22.3	+13.0	......	
27.405	+11.2	4.2	WNW 1	tr. 4	+21.0	+10.2	2.85	Nachts Rg.
27.559	+12.4	4.2	N 1	S.FS. 4	+17.7	+11.0	0.56	Mtts. ⊙ Hof51|2^h Nebens.8^h Gw.WNWStr.Rg.
27.671	+13.6	5.1	S 0	F. 1	+19.7	+10.3	......	
27.497	+13.25	4.80	0.6	2.0			40.36	

September 1866.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.667	+10.4	4.5	S 0	F. 1	27.582	+19.5	5.3	SO 1	FS.F. 3
2	27.563	+12.0	4.8	NW 2	FS. 2	27.460	+18.0	5.0	SO 0	S.FS. 3
3	27.221	+12.6	5.7	S 0	S. 4	27.386	+13.2	3.7	WNW 2	H.S. 4
4	27.631	+10.2	3.5	NW 2	S.FS 4	27.630	+14.7	3.4	NW 2	FS.H. 3
5	27.594	+10.2	4.0	W 0	FS. 3	27.565	+19.0	5.2	SW 0	FS.H. 1
6	27.550	+11.0	4.8	S 0	F. 2	27.553	+19.6	6.2	SO 1	F. 1
7	27.516	+12 2	5.2	SO 0	F. 2	27 579	+20 8	6.4	NW 0	S.FS. 1
8	27.502	+12.8	5.5	SO 0	F 2	27.439	+21.0	6.2	SSO 2	F. 1
9	27.476	+14.6	5.0	NW 2	FS 3	27.413	+19.3	5.4	NW 0	FS.H. 3
10	27.367	+11.8	4.7	NW 2	S. 4	27.380	+14.3	5.2	WNW 0	S. 4
11	27.464	+13.0	5.5	NW 0	tr. 4	27.465	+16.7	5.4	NW 1	FS.H. 2
12	27.454	+13.0	4.9	NW 1	tr. 4	27.520	+ 9.3	4.5	NW 1	S. 4
13	27.576	+10.5	4.0	NW 1	FS.H. 3	27.549	+14.7	3.9	NW 1	H. 3
14	27.584	+ 8.4	3.9	NW 0	0	27.516	+17.5	4.8	S 1	F. 1
15	27.516	+10.0	4.6	SO 0	FS.N. 3	27.491	+18.8	6.2	SO 1	H. 1
16	27.477	+12 6	4.7	NW 1	FS. 2	27.520	+15.1	4.7	NW 2	Ṡ.FS. 4
17	27.432	+ 8.4	4.0	WNW 0	0	27.421	+16.0	4.8	NW 1	FS.H. 2
18	27.563	+ 9.6	4.1	NW 1	tr. 4	27.582	+10.9	4.2	NW 1	S. 4
19	27.670	+ 9.2	3 9	NW 1	tr. 4	27.699	+10.5	4.0	NW 2	S. 4
20	27.703	+10.2	3.9	NW 0	S.FS. 4	27.654	+13.9	4.2	NNW 1	F.FS. 2
21	27.599	+10.2	4.0	NW 0	0	27.520	+17 0	4.4	NW 1	F. 1
22	27.503	+12.7	4.7	W 0	FS.. 3	27.421	+17.9	5.1	S 2	FS.F. 3
23	27.416	+10.9	4.7	SO 0	FS.F. 2	27.413	+20.0	5.5	S 3	F. 1
24	27.529	+12.6	5.0	S 0	0	27.580	+20.6	5.3	S 3	0
25	27.644	+12.2	5.0	S 1	0	27.647	+20.2	5.3	SO 3	0
26	27.649	+12.0	4.9	S 0	0	27.634	+20.6	5.3	SSO 2	0
27	27.680	+12.6	5.0	S 0	0	27.677	+19.3	4.2	SSO 2	0
28	27.704	+10.7	4.1	SO 0	0	27.684	+17.7	3.6	SSO 2	FS. 1
29	27.721	+ 8.8	3.8	SO 0	F.N. 1	27.698	+18.4	3.9	SSO 3	F. 1
30	27.556	+ 9 3	3.9	S 0	F.N. 1	27.689	+18.4	4.3	SO 2	0
M	27.556	+11.16	4.54	0 5	2.1	27.546	+17.10	4.85	1.4	2.0

September 1866.

10 Uhr Abends										Anmerkungen.
Bar. 0°	Therm. Réaum.	Expans.	Wind		Wetter		Max.	Min.	Ombr.	
"	°	'''					°	°	'''	
27.564	+14.0	5.4	W	3	tr.	4	+20.2	+10.8	2.71	Abds. Rg.
27.361	+13.6	5.8	SSO	0	tr.	4	+18.5	+12.1	1.30	Nachts Rg.
27.538	+10.6	3.3	NW	3	FS F.	2	+14.4	+ 9.6	0.07	4^h Abds. schw. Rg.
27.628	+11.8	4.1	W	1	F.	1	+16.2	+ 9.5	......	5^h Abds ⊙ Hof.
27.537	+14.5	5.3	S	0		0	+20.4	+10.3	......	N. ⊙ Hof
27.546	+15.0	5.9	SO	0		0	+20.2	+10.8	......	N. ⊙ Hof.
27.558	+16.1	6.6	OSO	0	F.N.	2	+21.6	+11.5	......	Dunstnebel
27.360	+16.7	6.6	SO	0		0	+21.8	+12.5	......	Wttl W. Nchts Str NW
27.417	+12.6	5.3	NW	2	tr.	4	+19.8	+11.4	6.27	Abds. Gew. S. Rg.
27.412	+13.8	5.5	NW	0	S.FS.	4	+15.8	+11.6	......	N.
27.446	+13.8	5.1	N.W	1	tr.	4	+17.3	+12.8	......	N.
27.556	+11.4	4.5	NW	1	tr.	4	+13.4	+ 9.1	3.74	Vormttgs anh. Rg.
27.589	+10.6	4.3	NW	0		0	+15.6	+ 8.2	......	Neb. am hor.
27.495	+12.5	5.0	SO	0		0	+18.4	+ 9.3	......	N.
27.451	+14.2	4.9	SO	2	F.N.	1	+19.5	+10.0	......	☾ Hof
27.548	+11.2	4.4	NW	0	FS.F.	2	+16.1	+ 8.2	......	öfter schw. Rg.
27.487	+14.8	4.5	NW	2	S H.	4	+17.2	+ 8.6	......	
27.623	+ 9.3	3.8	NNW	2	tr.	4	+11.3	+ 8.2	15.20	Nachts Gussrg.
27.735	+ 9.8	4.1	NW	2	tr.	4	+11.0	+ 9.0	......	
27.653	+11.0	4.2	NW	0	FS.	1	+14.5	+10.0	......	Abdr.
27.483	+12.6	4.9	WNW	0	FS.F.	4	+17.6	+10.3	......	☾ Hof
27.418	+13.6	5.2	S	0	FS.F.	2	+18.6	+10.4	......	Abdr. ☾ Hof
27.474	+15.4	5.2	S.	3		0	+20.6	+11.0	......	Nachmttgs. Str. S
27.641	+16.3	5.5	S	2		0	+21.2	+11.7	......	
27.645	+15.6	5.6	S	1		0	+21.0	+12.0	......	
27.665	+15.6	5.7	SO	0		0	+21.4	+12.2	......	
27.689	+14.1	4.9	SO	0		0	+20.0	+10.0	......	
27.681	+12.2	4.0	S	0	F.N.	1	+18.7	+ 8.4	......	Abdr.
27.730	+12.0	4.3	S	0	F.N.	1	+19.3	+ 9.0	.....	
27.690	+13.3	4.8	SO	0		0	+19.4	+ 9.2	......	Neb. am hor.
27.554	+13.27	4.96		0.8		1.8			29.29	

October 1866.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	"	°	'''			"	°	'''		
1	27.684	+ 9.3	3.9	SO 0	0	27.632	+18.6	4.3	S 2	0
2	27.674	+ 9.3	3.9	S 0	0	27.645	+18.4	3.9	SO 2	H. 1
3	27.744	+10.2	4.0	SSO 0	F.N. 1	27.725	+17.6	4.4	SSO 1	H. 1
4	27.739	+10.0	3.9	SW 0	0	27.711	+17.2	4.6	SSO 1	0
5	27.738	+ 8.8	3.6	SSO 0	0	27.729	+17.3	4.4	S 0	0
6	27.868	+ 7.8	2.9	NW 1	0	27.930	+13.2	2.6	N 1	0
7	28.049	+ 4.2	2.4	N 0	0	28.041	+10.9	3.2	OSO 0	0
8	27.998	+ 3.4	2.6	SSO 0	0	27.942	+12.9	3.9	SO 1	F.FS. 3
9	27.866	+ 4.8	2.8	SSO 0	FS.N. 4	27.824	+11.7	3.9	SSO 0	FS.F. 3
10	27.742	+ 4.0	2.4	S 0	F.N. 1	27.636	+12.4	2.5	SSO 3	0
11	27.555	+ 3.4	2.4	SO 0	N. 1	27.516	+11.2	3.4	OSO 0	0
12	27.631	+ 5.5	2.7	NNW 0	N. 1	27.536	+11.1	3.1	NO 0	0
13	27.589	+ 4.8	2.8	S. 0	N. 1	27.522	+13.2	3.7	SSO 2	F.FS. 2
14	27.382	+ 8.0	3.9	S. 0	tr. 4	27.369	+10.2	4.5	S 0	tr. 4
15	27.540	+ 7.2	3.0	NW 1	FS.F. 3	27.575	+ 9.8	3.4	NW 1	S. 4
16	27.674	+ 7.0	3.1	WNW 1	FS.F. 3	27.673	+10.4	2.4	N 1	H. 3
17	27.839	+ 3.6	2.0	NNW 1	FS. 1	27.895	+ 7.3	1.9	N 1	H. 2
18	27.993	— 0.4	1.8	NO 0	0	27.939	+ 7.7	1.7	S 2	0
19	27.951	+ 0.8	1.8	SO 1	0	27.966	+ 7.6	1.9	SO 1	0
20	28.054	— 0.6	1.7	SO 0	0	28.027	+ 8.7	2.2	SO 1	0
21	28.006	— 0.6	1.8	SO 0	0	27.975	+ 7.8	2.0	S 1	0
22	27.929	— 0.7	1.4	SO 2	0	27.893	+ 5.7	1.6	SO 1	0
23	27.796	— 2.0	1.4	S 0	F.N. 2	27.720	+ 6.0	1.9	SSO 0	F.FS. 2
24	27.699	— 2.0	1.4	SSO 0	F.N. 2	27.649	+ 4.2	1.5	SSO 1	F. 1
25	27.558	— 2.2	1.4	SSO 0	N. 1	27.423	+ 5.5	1.6	SO 1	F.FS. 2
26	27.406	+ 1.8	2.0	SSO 1	S.FS. 4	27.460	+ 3.6	2.0	SO 1	tr. 4
27	27.639	+ 0.7	1.7	NO 0	FS. 2	27.674	+ 4.2	1.8	NO 0	FS. 1
28	27.724	— 2.0	1.6	SO 1	0	27.682	+ 4.8	1.8	SO 1	FS. 1
29	27.721	+ 0.8	2.0	W 0	FS.N. 2	27.769	+ 6.8	2.0	NW 1	FS. 1
30	27.856	+ 3.5	2.2	NW 0	tr. 4	27.748	+ 7.4	2.4	W 0	F. 2
31	27.569	+ 6.0	2.7	W 0	S.H. 4	27.604	+ 8.5	3.2	NW 2	F.FS. 4
M.	27.749	+3.69	2.49	0.4	1.3	27.727	+10.38	2.83	0.9	1.6

October 1866.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
''	°	'''			°	°	'''	
27.653	+12.4	4.3	S 0	0	+19.6	+ 9.0	......	Neb. am Hor
27.700	+12.5	4.5	SSO 0	N. 1	+19.3	+ 9.4	......	
27.728	+13.6	4.5	SW 0	N. 1	+18.3	+ 9.7	......	
27.711	+12.2	4.2	SO 0	0	+18.2	+ 8.7	......	N.
27.794	+11.6	3.0	N 1	0	+18.3	+ 7.7	......	N.
28.024	+ 7.4	2.4	NNW 1	0	+13.8	+ 4.0	......	
28.043	+ 7.0	2.8	SO 0	0	+12.1	+ 3.2	......	Reif, N.
27.912	+ 7.5	3.2	SSO 0	0	+13.6	+ 3.6	......	Reif, N. Abdr.
27.791	+ 7.0	2.9	SSO 1	N.F. 2	+12.1	+ 3.8	......	8^h Mrgs. ⊙HofAbdr.
27.568	+ 6.1	2.5	SSO 0	N. 1	+13.0	+ 3.0	......	Reif
27.573	+ 6.5	2.8	OSO 0	N. 1	+11.7	+ 3.5	......	Reif
27.613	+ 7.2	2.8	SO 2	N. 1	+11.7	+ 4.4	......	Reif
27.452	+ 9.2	3.6	SSO 1	N. 1	+14.5	+ 5.3	......	Abdr.
27.476	+ 9.2	3.5	NW 1	FS.F 2	+11.6	+ 6.3	4.70	4½^h Früh–1^h Mittgs. Rg. N
27.656	+ 7.5	3.2	NW 0	tr. 4	+10.4	+ 6.3	......	Höhennebel
27.750	+ 6.5	2.3	NNW 1	S.FS. 4	+11.0	+ 3.4	......	
27.990	+ 3.3	1.9	NO 1	HN. 1	+ 7.7	— 0.7	......	
27.940	+ 1.8	1.8	S 1	0	+ 8.0	— 0.1	......	Reif
28.046	+ 3.0	2.0	SO 0	0	+ 8.1	— 0.8	.....	Reif
28.033	+ 2.4	2.1	SO 0	0	+ 9.2	— 0.8	......	Reif
27.969	+ 3.2	2.0	SO 1	0	+ 8.3	— 1.2	......	Reif
27.878	+ 0.5	1.6	S 0	0	+ 6.2	— 2.5	....	Reif
27.702	+ 0.7	1.7	SSO 0	N. 2	+ 6.4	— 2.3	......	Reif
27.635	— 0.2	1.7	SSO 0	N. 2	+ 5.0	— 2.8	......	Reif
27.405	+ 2.7	1.8	SO 0	FS.F. 4	+ 6.2	— 2.0	......	Reif, Abdr.
27.577	+ 2.0	2.2	SO 0	tr. 4	+ 4.0	+ 0.3	......	Mttgs. schw. Regen
27.742	— 0.2	1.7	NO 0	0	+ 4.7	— 2.8	......	Reif N.
27.690	+ 2.7	2.0	S 0	tr. 4	+ 5.2	— 1.5	......	Reif N.
27.894	+ 4.5	2.2	NW 1	S. 4	+ 7.4	+ 0.8	......	Reif Abdr.
27.610	+ 3.4	2.2	SW 1	S.N. 4	+ 8.4	+ 1.8	......	Abdr.
27.675	+ 7.2	3.3	WNW 1	tr. 4	+ 9.4	+ 5.3	0.30	Mgs. schw. Rg. Str. WNW. Abdr.
27.749	+5.82	2.67	0.4	1.5			5.00	

November 1866.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.646	+ 9.2	3.1	WNW 1	SH. 4	27.640	+11.2	3.0	NW 2	H. 3
2	27.692	+ 2.8	2.4	WNW 0	N. 1	27.601	+11.0	3.1	SO 3	0
3	27.526	+ 3.4	2.1	SSO 0	F.N. 2	27.537	+ 9.2	2.9	SSO 0	FS.F. 3
4	27.618	+ 4.8	2.7	W 0	F.FS. 4	27.608	+ 9.1	3.3	SSW 0	F.FS. 3
5	27.716	+ 7.8	3.3	WNW 0	FS.H. 3	27.709	+11.1	3.0	WNW 1	F.FS. 2
6	27.734	+ 5.2	2.9	SW 0	FS.N. 3	27.691	+11.6	3.0	WNW 3	FS 1
7	27.786	+ 8.8	2.5	NW 2	FS.F. 2	27.782	+11.8	3.2	NW 2	F.FS. 2
8	27.725	+ 6.8	3.0	WSW 1	F.N. 1	27.715	+10.5	3.1	NW 0	0
9	27.508	+ 1.7	2.3	SW 0	N. 3	27.398	+ 8.4	3.0	SSW 0	FS.N. 3
10	27.515	+ 5.0	2.3	NW 1	FS.F. 2	27.669	+ 6.2	2.2	W 2	H. 3
11	27.830	— 1.8	1.6	O 0	N. 1	27.659	+ 3.4	1.8	SO 2	F. 1
12	27.591	+ 1.8	2.3	SSW 0	FS.N. 2	27.632	+ 8.8	3.1	NW 1	H. 3
13	27.506	+ 4.1	2.6	SSW 0	tr. 4	27.342	+11.0	4.2	W 1	S. 4
14	27.237	+10.0	3.5	WNW 3	FS.H. 4	27.111	+ 8.2	2.4	W 3	HS. 2
15	27.441	+ 4.4	2.1	NW 3	FS. 2	27.608	+ 5.5	1.8	NW 3	H. 2
16	27.584	+ 1.2	1.9	SW 0	F. 1	27.388	+ 5.9	2.5	SSW 0	FS. 4
17	26.966	+ 6.2	2.5	W 2	FS.H. 3	27.213	+ 3.8	1.6	NNW 3	HS. 4
18	27.753	— 1.4	1.6	NW 1	F. 1	27.688	+ 1.6	1.5	WNW 1	F.FS. 2
19	27.279	+ 2.4	2.2	SSW 0	FS.N. 2	27.141	+ 4.4	1.6	NW 1	S. 4
20	27.348	+ 0.3	1.6	NW 1	F.N 1	27.320	+ 2.1	1.9	WNW 2	HS. 4
21	27.420	+ 0.3	1.8	NW 2	FS.F. 2	27.394	+ 2.4	1.7	WNW 3	S. 3
22	27.442	— 0.4	1.7	NW 2	FS.F. 2	27.582	+ 1.0	1.7	NW 1	H. 2
23	27.708	— 1.0	1.7	WNW 0	FS.N. 2	27.617	+ 0.8	2.0	SW 1	S. 4
24	27.118	+ 1.0	1.9	SW 1	F.N. 4	27.149	+ 4.3	2.0	WNW 3	F.FS. 3
25	27.474	+ 2.3	2.0	NW 2	FS. 2	27.418	+ 4.9	2.1	NW 0	FS.F. 2
26	27.157	+ 4.4	2.5	WNW 0	FS.F 3	27.219	+ 4.5	2.4	W 1	S. 4
27	27.272	+ 3.0	1.9	WNW 1	S.N. 4	27.241	+ 3.6	2.2	WNW 2	S. 4
28	27.418	+ 1.6	2.2	N 0	tr. 4	27.499	+ 3.2	2.3	NNW 1	S. 4
29	27.800	+ 0.8	1.8	N 0	FS.F. 4	27.826	+ 1.8	1.6	NNO 1	H. 3
30	27.817	— 2.4	1.3	N 0	S FS. 4	27.738	— 0.6	1.5	N 1	tr. 4
M	27.521	+3.08	2.24	0.8	2.6	27.504	+6.02	2.29	1.5	2.8

November 1866.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
"	°	"'			°	°	"'	
27.682	+ 7.7	2.9	NW 1	F. 1	+11.6	+ 1.8	......	Abdr.
27.575	+ 6.5	2.7	SO 3	0	+11.6	+ 2.5	......	Reif
27.615	+ 5.9	2.9	NW 0	F.N. 2	+ 9.7	+ 3.3	......	$1\frac{1}{2}^h$ vertik. Nebens.
27.677	+ 5.3	3.1	SSW 0	tr. 4	+ 9.7	+ 4.5	......	Abds. schw. Rg.
27.741	+ 6.6	3.2	SW 0	F.N. 2	+11.8	+ 4.0	0.23	Mgs. schw. Rg. $2\frac{3}{4}^h$ Nbens.
27.744	+ 8.8	3.0	NW 2	0	+12.2	+ 5.0	......	
27.736	+ 6.5	2.9	NW 0	N. 1	+12.3	+ 3.2	......	Abdr.
27.602	+ 5.4	2.9	WSW 0	N. 1	+11.2	+ 0.7	......	
27.356	+ 9.8	3.5	NW 3	tr. 4	+10.8	+ 1.9	......	Reif Ab. St. WNW. Rg.
27.846	+ 2.4	2.0	NNW 1	0	+ 7.6	— 2.0	......	4^h Ab. schw. Rg.
27.571	+ 2.7	3.2	S 0	tr. 4	+ 3.7	— 1.5	0.62	Reif, Nachts Rg.
27.646	+ 5.6	2.8	W 0	tr. 4	+ 9.2	+ 1.8	......	
27.324	+11.8	3.3	WNW 2	tr. 4	+12.3	+ 3.8	4.50	Mgs. Rg. 8^h Ab. Str. WNW.
27.328	+ 4.4	2.1	NW 4	FS. 1	+10.4	+ 3.2	2.00	öfter Rg. Str. W.
27.748	+ 2.7	2.4	NW 1	F. 1	+ 6.0	+ 0.6	0.50	Str:NW; Ab. Rg.
27.236	+ 4.0	2.4	S 0	S.N. 4	+ 6.6	+ 1.3	......	Reif
27.609	— 0.8	1.3	N 3	F. 1	+ 7.0	— 1.8	......	Mrgs. schw. Rg. Str. NW. Schnee
27.463	— 0.9	1.3	SW 2	S.HN. 4	+ 4.0	— 1.5	0.15*	3^h Ab. Nebens. ☾Hof. Schnee
27.227	+ 0.8	1.8	NW 3	FS.F. 3	+ 5.2	— 0.2	0 95	Ab: Rg. und. Schnee
27.465	— 0.6	1.7	WNW 2	FS. 1	+ 2.5	— 0.8	0.20*	Ab. Schnee.
27.383	+ 0.8	1.6	WNW 3	FS. 2	+ 2.7	— 0.6	0.34*	Mgs. Sch. $2\frac{3}{4}^h$ Ab. 2 Nbs ☾Hof
27.694	— 1.3	1.6	NW 0	F. 1	+ 1.6	— 1.8	......	
27.417	0.0	1.9	SSW 0	S.N. 4	+ 1.7	— 1.1	0.90*	Reif, Schnee.
27.286	+ 3.0	2.0	NW 3	F. 1	+ 5.0	+ 0.6	0.60	Mgs. Rg. Glatteis Str. WNW.
27.205	+ 2.8	2.1	WSW 0	tr. 4	+ 5.3	+ 2.0	1.45	$2\frac{1}{2}^h$ Ab. ⊙Hof, Nachts Rg.
27.273	+ 2.7	2.1	WNW 2	FS.F. 3	+ 5.2	+ 2.4	......	
27.288	+ 2.4	2.3	NW 0	tr. 4	+ 4.8	+ 1.3	0.45	öfter Rg. u. Schnee.
27.688	+ 1.4	1.7	NNW 0	tr. 4	+ 3.6	+ 0.6	......	Nebelrg.
27.908	— 2.4	1.4	N 1	0	+ 2.3	— 3.0	......	Mrgr.
27.725	— 1.3	1.7	N 0	tr. 4	+ 0.6	— 2.6	2.00*	Reif, Schnee.
27.535	+3.09	2.33	1.3	2.3			14.89	

December 1866.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.665	+ 0.3	1.9	N 0	tr. 4	27.653	+ 0.7	2.1	SSO 2	tr. 4
2	27.769	— 0.2	2.0	S 0	N. 4	27.808	+ 1.8	2.0	SO 1	S. 4
3	27.753	+ 0.2	1.9	S 1	F.N. 4	27.781	+ 1.6	2.1	SO 0	S.N. 4
4	27.811	— 0.3	1.8	S 1	F.N. 1	27.756	+ 1.5	2.1	S 0	FS.N. 4
5	27.689	+ 0.4	1.9	SW 0	FS.N. 4	27.704	+ 2.1	2.3	S 0	FS.N. 3
6	27.673	— 0.6	1.9	W 0	N. 1	27.668	+ 9.4	2.3	WNW 1	F.FS. 2
7	27.650	— 0.8	1.8	WSW 0	FS.N. 3	27.534	+ 1.6	2.0	S 1	N. 3
8	27.535	+ 6.3	1.4	NW 2	FS.H. 3	27.587	+ 6.9	2.1	NW 3	H.S. 3
9	27.812	+ 0.4	1.4	NW 1	F. 1	28.052	+ 1.9	1.8	NW 2	S.H. 3
10	27.725	— 1.0	1.5	SO 0	N.F. 3	27.438	+ 1.5	1.8	SW 0	S. 4
11	27.438	+ 3.5	2.0	NNW 3	S. 4	27.520	+ 2.3	1.8	NNW 3	S. 3
12	27.725	0.0	1.8	NW 1	FS.F. 2	27.641	+ 2.5	1.6	WNW 0	S. 4
13	27.307	+ 6.6	2.7	WNW 3	FS.H. 4	27.249	+ 8.0	2.9	NW 4	S. 4
14	26.920	+ 6.4	2.3	NW 2	FS. 2	27.037	+ 6.5	2.3	WNW 3	FS.H. 3
15	27.260	— 3.4	1.3	NNO 1	tr. 4	27.451	— 3.0	1.1	N 1	FS. 1
16	27.418	— 3.0	1.5	SSO 0	S.N. 4	27.361	— 2.3	1.6	SO 0	S. 4
17	27.539	— 3.4	1.5	S 0	tr. 1	27.670	— 0.9	1.8	S 0	S.N. 4
18	28.042	+ 0.4	1.8	NNW 0	tr. 4	28.082	+ 1.1	1.9	O 0	F.N. 3
19	28.050	— 6.5	1.0	SSW 0	N. 4	27.955	— 4.6	1.4	SSW 0	N. 4
20	28.040	— 3.4	1.5	SO 0	tr. 4	28.023	+ 2.4	2.1	NW 0	F.N. 3
21	28.009	— 5.0	1.4	S 0	N. 4	27.966	— 5.2	1.3	S 0	N. 4
22	27.921	— 8.0	1.0	SW 0	N. 4	27.924	— 5.7	1.3	SW 0	N. 4
23	28.034	— 4.2	1.5	WSW 0	N. 4	28.033	— 3.4	1.9	SO 0	N. 4
24	28.000	— 4.0	1.4	S 0	N. 4	27.930	— 3.8	1.4	S 0	N. 4
25	27.891	— 6.2	1.1	SSW 0	N. 4	27.843	— 4.5	1.2	SSW 0	N. 4
26	27.882	— 3.0	1.5	W 0	N. 4	27.838	— 1.4	2.0	SW 0	N. 4
27	27.676	— 3.6	1.5	S 0	N. 4	27.527	— 3.3	1.5	S 1	N. 4
28	27.342	+ 3.4	1.8	WNW 3	FS. 1	27.240	+ 3.6	2.4	NW 3	S. 4
29	27.173	+ 0.4	1.9	NNW 2	tr. 4	27.285	+ 0.5	1.9	NW 2	tr. 4
30	27.212	+ 3.4	2.3	SW 0	FS. 2	27.216	+ 5.1	2.5	SSW 1	S.FS. 3
31	27.055	— 1.5	1.8	SW 0	N. 4	27.082	+ 3.5	2.1	WNW 2	S.FS. 4
M	27.646	−0.85	1.68	0.6	3.3	27.640	+0.85	1.89	0.9	3.5

December 1866.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
"	°	'''			°	°	'''	
27.733	+ 0.4	2.1	SSO 1	tr. 4	+ 1.3	— 0.4	1.30*	Mgs. Schnee Ab. Nrg.
27.857	+ 0.6	1.9	SO 1	tr. 4	+ 2.1	— 0.3	......	Höhennebel
27.859	+ 1.0	2.1	SW 0	tr. 4	+ 2.0	— 0.5	0.08	Ab. schw. Rg.
27.715	+ 0.1	2.0	SW 0	tr. 4	+ 1.7	— 0.8	......	
27.705	+ 1.0	2.0	SSW 0	N. 2	+ 2.5	— 2.0	......	
27.701	+ 4.4	2.2	WSW 0	0	+ 11.7	— 1.1	......	Reif; Ab. N. am Hor.
27.430	— 0.6	1.9	S 0	N. 4	+ 6.8	— 0.8	......	Reif; Mgr.
27.754	+ 3.2	2.0	NW 2	FS.N. 2	+ 7.5	+ 0.3	0.18*	Nachts Schnee
28.052	— 0.7	1.7	WNW 0	N. 2	+ 2.8	— 2.0	0.20*	Mttgs. Schneegestöb.
27.445	+ 5.1	2.4	WNW 4	S.FS. 4	+ 6.0	— 1.1	1.60	Mg. Schnee Rg. St. NW
27.644	+ 1.7	1.5	NW 3	F.N. 3	+ 4.4	— 0.5	0.05	Mgs. Schnee u. Rg.
27.390	— 0.2	2.0	S 0	tr. 4	+ 6.8	— 0.3	9.54	Schnee, Nachts Rg.
27.147	+ 7.1	2.7	NW 3	FS.F. 2	+ 9.5	+ 4.8	0.15	Rg. Nbs. Abnd ☾ Hof Str. WNW.
27.018	+ 3.8	2.2	NNW 1	tr. 4	+ 7.0	— 3.5	0.85	Mgs. Rg. Str. WNW.
27.529	— 3.4	1.2	SW 0	tr. 4	— 2.2	— 4.1	0.30*	Mgs. Schnee
27.447	— 3.4	1.4	SSW 1	tr. 4	— 2.0	— 4.2	5.20*	Mgs. Schnee
27.895	+ 0.4	1.9	NNW 0	tr. 4	+ 0.7	— 3.5	2.08	Schnee u. Rg.
28.073	— 2.4	1.6	OSO 0	N. 4	+ 1.6	— 7.1	......	Mrgr.
27.968	— 2.9	1.6	W 0	N. 3	— 2.5	— 6.7	......	Frostneb.
28.038	— 2.4	1.6	S 0	N. 4	+ 2.4	— 5.5	......	Mgr. Frostneb. ☾ Hof
27.952	— 7.0	0.8	SW 0	N. 4	— 4.0	— 8.5	......	Frostnebel
28.012	— 5.2	1.2	W 0	N. 4	— 4.0	— 8.0	......	Frostnebel
28.049	— 3.7	1.2	SO 0	N. 4	— 2.0	— 4.3	......	Frostnebel
27.918	— 5.2	1.3	SSW 0	N. 4	— 3.3	— 6.6	......	Frostnebel
27.855	— 6.0	1.1	W 0	N. 4	— 2.4	— 7.0	......	Frostnebel
27.807	— 3.6	1.5	S 0	N. 4	— 1.2	— 4.0	......	Frostnebel
27.454	— 3.4	1.5	S 0	N. 4	+ 3.5	— 4.0	0.30	9h Ab. Nrg.
27.215	+ 3.4	2.3	NW 3	tr. 4	+ 5.6	— 0.2	5.30	Mrgr. Str. WNW. Rg.
27.346	+ 0.3	1.9	S 0	tr. 4	+ 4.7	— 0.4	6.00	Schnee, Nachts Rg.
27.140	— 0.3	1.8	SW 0	N. 1	+ 5.6	— 2.3	......	
27.143	+ 3.0	2.1	NW 0	tr. 4	+ 4.6	— 1.7	......	Frostnb. Ab. schw. Rg.
27.655	—0.48	1.44	0.6	3.5			33.13	

Uebersicht der meteorologischen Beobachtungen im Jahre 1866.

1866	Barometerstand in Par. Zollen auf 0° Réaumur reducirt.							
	6^h M.	2^h Ab.	10^h Ab.	Mittl.	Höchster		Tiefster	
Jänner	27''716	27''683	27''710	27''703	den 26.	28''089	den 9.	26''874
Februar	27.478	27.462	27.477	27.472	» 4.	27.714	» 28.	26.941
März	27.310	27.299	27.322	27.310	» 27.	27.787	» 20.	26.822
April	27.567	27.534	27.539	27.547	» 16.	27.894	» 30.	27.143
Mai	27.537	27.510	27.536	27.528	» 6.	27.830	» 2.	26.923
Juni	27.568	27.553	27.573	27.572	» 9.	27.788	» 17.	27.064
Juli	27.500	27.479	27.498	27.492	» 12.	27.796	» 3.	27.179
August	27.491	27.479	27.497	27.489	» 26.	27.760	» 29.	27.286
September	27.556	27.546	27.554	27.552	» 19.	27.735	» 3.	27.221
October	27.749	27.727	27.749	27.742	» 20.	28.054	» 14	27.369
November	27.521	27.504	27.535	27.520	» 10.	27.846	» 17.	26.966
December	27.646	27.640	27.655	27.647	» 18.	28.082	» 14	26.920
Jahr	27.555	27.535	27.553	27.548	26. Jänn.	28.089	20. März.	26.822

1866	Wärme nach Réaumur.							
	6^h M.	2^h Ab.	10^h Ab.	Mittl.	Grösste		Kleinste	
Jänner	+ 0°29	+ 2°18	+ 0°67	+ 1°05	den 30.	+ 8°0	den 7.	— 4°5
Februar	+ 1.59	+ 5.18	+ 2.35	+ 3.04	» 7.	+ 12.5	20. 21.	— 4.6
März	+ 2.40	+ 6.30	+ 3.62	+ 4.10	» 20.	+ 12.6	» 15.	— 3.5
April	+ 6.84	+ 13.05	+ 9.06	+ 9.65	» 30.	+ 20.3	» 23.	+ 0.2
Mai	+ 7.21	+ 13.26	+ 9.13	+ 9.87	» 31.	+ 22.4	» 23.	+ 0.4
Juni	+ 14.90	+ 20.27	+ 15.75	+ 16.94	» 13.	+ 26.7	» 18.	+ 7.6
Juli	+ 13.99	+ 18.21	+ 14.50	+ 15.57	» 15.	+ 25.8	» 31.	+ 9.1
August	+ 11.66	+ 17.12	+ 13.25	+ 14.01	» 28.	+ 22.3	» 6.	+ 7.9
September	+ 11.16	+ 17.10	+ 13.27	+ 13.84	» 8.	+ 21.8	13. 16. 18.	+ 8.2
October	+ 3.69	+ 10.38	+ 5.82	+ 6.63	» 1.	+ 19.6	24. 27.	— 2.8
November	+ 3.08	+ 6.02	+ 3.09	+ 4.06	» 7. 13.	+ 12.3	» 29.	— 3.0
December	— 0.85	+ 0.85	— 0.48	— 0.16	» 6.	+ 11.7	» 21.	— 8.5
Jahr	+ 6.33	+ 10.83	+ 7.50	+ 8.22	13. Juni	+ 26.7	21 Decemb.	— 8.5

1866	Spannkraft der Dünste in Par. Linien.							
	6^h M.	2^h Ab.	10^h Ab.	Mittl.	Grösste		Kleinste	
Jänner	1.91	2.14	2.00	2.02	den 18. 27.	2.9	den 7.	1.3
Februar	2.04	2.27	2.24	2.18	» 2. 7.	3.3	» 21.	1.2
März	2.15	2.42	2.38	2.32	» 10. 18.	3.4	» 16. 23.	1.4
April	2.93	3.21	3.22	3.12	» 29.	5.1	» 23.	1.9
Mai	3.06	3.33	3.26	3.22	» 30.	6.1	» 23. 24.	1.6
Juni	5.10	5.07	5.18	5.12	» 29.	6.8	» 2.	3.0
Juli	5.06	4.95	5.06	5.02	» 15.	6.9	» 8.	3.1
August	4.52	4.84	4.80	4.72	» 20. 22.	6.0	» 14.	3.0
September	4.54	4.85	4.96	4.78	» 7. 8.	6.6	» 3.	3.3
October	2.49	2.83	2.67	2.66	» 4.	4.6	» 22. 25.	1.4
November	2.24	2.29	2.33	2.29	» 13.	4.2	» 17. 18. 30.	1.3
December	1.68	1.89	1.44	1.66	» 13.	2.9	» 21.	0.8
Jahr	3.14	3.34	3.29	3.26	» 15. Juli	6.9	» 21. December	0.8

1866	Windstärke			Bewölkung		
	6^h M.	2^h Ab.	10^h Ab.	6^h M.	2^h Ab.	10^h Ab.
Jänner	0.7	1.1	0.7	3.5	3.4	3.2
Februar	0.7	1.5	1.0	3.1	3.3	2.3
März	0.9	1.2	1.3	2 9	3.1	3.0
April	0.3	1.7	1.0	2.2	2.4	2.6
Mai	0.9	1.4	1.1	2 7	2.8	2.7
Juni	0.8	1.0	0.7	1.4	2.5	2.2
Juli	0.8	1 5	0.8	2.8	3.1	2.3
August	1.1	1.2	0.6	2 5	2.8	2 0
September	0.5	1.4	0.8	2.1	2.0	1.8
October	0.4	0.9	0.4	1 3	1.6	1 5
November	0 8	1.5	1.2	2.6	2.8	2.3
December	0.6	0.9	0.6	3.3	3.5	3.5
Jahr	0.7	1.3	0.9	2.5	2.8	2.5

1866	Ansicht des Himmels						Höhe des Niederschlages in Par. Lin.		
	heiter	theilweise bedeckt	trüb	Nebel	Regen	Schnee	Rg. u. Sch.	grösste Regenmenge in 24^h	
Jänner	0	18	13	24	16	6	''' 4 61	den 8.	''' 1.90
Februar	0	21	7	15	11	5	10.90	» 24.	2.60
März	0	23	8	13	17	7	26.90	» 21.	12.50
April	1	23	6	9	13	2	9.60	» 23.	6.64
Mai	0	28	3	7	12	1	24.67	» 26.	7.60
Juni	0	29	1	1	13	0	13.14	» 14.	5 74
Juli	1	29	1	3	24	0	49 62	» 31.	13.10
August	0	28	3	4	21	0	40.36	» 10.	12.40
September	4	22	4	11	7	0	29.29	» 18.	15.20
October	10	18	3	22	3	0	5.00	» 14.	4.70
November	0	26	4	16	13	8	14 89	» 13.	4 50
December	0	18	13	23	11	10	33.13	» 12.	9.54
Jahr	16	283	66	148	161	39	262.11	18. Sept.	15.20

1866	Vertheilung der Windesrichtungen															
	N	NNO	NO	ONO	O	OSO	SO	SSO	S	SSW	SW	WSW	W	WNW	NW	NNW
Jänner	2	1	0	0	0	0	13	12	15	12	6	0	2	7	19	4
Februar	4	1	1	0	0	0	17	9	4	2	5	2	4	14	16	5
März	8	2	1	0	0	0	12	4	9	0	3	1	2	11	20	20
April	10	0	1	0	0	0	6	4	17	6	1	0	3	4	28	10
Mai	16	0	2	0	2	1	12	6	15	1	3	3	1	4	15	12
Juni	12	1	3	0	0	2	2	2	18	1	0	0	4	13	28	4
Juli	5	0	1	0	0	0	2	1	2	0	1	0	7	11	55	8
August	9	0	0	0	1	0	7	4	11	1	2	4	4	21	25	4
September	0	0	1	0	0	1	18	6	19	0	1	0	4	4	34	2
October	5	0	6	0	0	3	24	21	13	0	3	0	3	2	9	4
November	7	1	0	0	1	0	3	2	2	8	7	3	7	21	25	4
December	2	1	0	0	1	1	8	3	20	9	11	3	5	8	15	6
Jahr	80	7	16	0	5	8	124	74	145	40	43	16	46	119	289	83

1866	Ansicht des Himmels	
	Gewitter etc.	Stürme
Jänner	Mrgr. d. 15. 30; Nebens. d. 11; Rgbg, d. 17; ☾Hof d. 23., 31; Nebenmond d. 31.	d. 30. NW.
Februar	Mrgr. d. 6., 9., 10., 11.; ⊙Hof d. 15., 18. 25.; Abdr. d. 3., 7., 8., 10., 25., 26.; ☾Hof d. 27.	d. 4., 7., 8. WNW., 12. NW, 28. S.
März	Mrgr. d 31; Gew. d. 18. W.; ⊙Hof d. 1., 19., 24; Nebens. d. 3., 17, 31.; Abdr. d. 4., 6., 11., 16., 20., 21., 27., 30.; ☾Hof d. 2., 28.	d. 12. WNW., 22. NW.
April	⊙Hof d. 17., 22.; Nebens. d. 4, 11., 17., 30.; Abdr. d. 2., 9.; Wttl. d. 29. N.; ☾Hof d. 21., 27., 28.	d. 10. SSW., 29. NW.
Mai	Gew. d. 28. NO., 29. SW-O; Hgl. d. 18., 22.; ⊙Hof d. 1., 5., 9., 11., 28., 31.; Nebens. d. 1., 2., 9., 29.; Abdr. d. 13., 18., 25., 31.; ☾Hof d. 18; Rgbg. d. 2., 28., 29.	d. 12. SO.
Juni	Gew. d. 7, N, 14. SW-SO, W-S, NW-O, 17. WNW, 23. SO, 24. O u. S. 25. W, 26. SW-WNW, 28. S-O, 29 N, 30. W; ⊙Hof d. 18., 19.; Nebens. d. 10., 18., 27.; Rgbg. d. 23.; Abdr. d. 8., 12., 16., 25; Wttl. d. 6. N u. S, 13, NW-N, 14. in allen Richtungen, 28. SSW, 29. NW.	d. 7., 13., 17. WNW., 17. S.
Juli	Gew. d. 6. W, 15. N, W, NNW-O, 17. SO, NNO, 18. SW-NO, 19. NNW-NO, 25. O, W, 29. W-ONO; ⊙Hof d. 12.; Nebens. d. 6., 12.; Hgl. d. 18.; Rgbg d. 3., 8., 15., 21.; Abdr. d. 3., 4., 12., 18., 23; Wttl. d. 6. NW, 15. WNW, 17. SW.	d. 3., W., 19. WNW., 15. 30. NW.
August	Gew. d. 9. SW, O, 20. W, SSO, 22. SO, 25. OSO, 31. W; ⊙Hof d. 3., 19., 21., 30.; Nebens. d. 10., 19., 31.; Rgbg. d. 5., 10., 19., 25.; Abdr. d. 9., 19., 20.; Wttl. d. 20. W-SO.	d. 11., 30. NW.
September ..	Gew. d. 9., S; ⊙Hof d. 4., 5., 6.; Abdr. d. 20., 22., 28; Wttl. d. 8. W. ☾Hof d. 15., 16., 21.	d. 8., NW., 23. S.
October. ...	⊙Hof d. 9.; Abdr. d. 8., 9, 13., 25., 29., 30., 31.	d. 31 WNW.
November...	Mrgr. d. 29.; ⊙Hof d. 25.; Nebens. d. 3, 5., 18., 21.; Abdr. d. 1., 7.; ☾Hof d. 18., 21.	d. 14. W. 9., 13., 24. WNW. 15 NW.
December...	Mrgr. d. 6., 10., 18., 20., 28.; Nebens. d. 13.; ☾Hof d. 13; Nebenmond d. 13.	d. 13., 14., 28. WNW., 10 NW.
Jahr	Gew. 33; Wttl. 12; Hgl. 4; ⊙Höfe 26; Nebensonn. 25; ☾Höfe 16; Nebenmonde 2; Rgbg. 13;	34 Stürme.

Stand des Barometers: 98.05 Wiener Klafter = 95.41 Toisen über dem adriatischen Meere, oder 101.7 Wiener Fuss über dem mittleren Spiegel der Donau.

Die Beobachtungen wurden am Gefässbarometer von Heinrich Weilhöfer gemacht. Dasselbe ist in Pariser Zolle und Decimaltheile derselben eingetheilt.

Der Dunstdruck wurde an einem nach Lamont (Annalen für Meteorologie und Erdmagnetismus 1842) getheilten Psychrometer abgelesen und ist in Pariser Linien angegeben.

Das Maximum und Minimum der Temperatur gilt für die Zeit von 8^h Morgens des nebenstehenden bis 8^h Morgens des folgenden Tages.

Ombrometer nach Horner; ein Umschlag ist gleich 0.17885 Par. Lin. Regenhöhe. Schneewasser ist durch einen * kenntlich gemacht.

Für die Stärke des Windes wurde die Bezeichnung von Lamont's Annalen für Meteorologie und Erdmagnetismus Jahrgang 1842 gebraucht.

Abkürzungen: tr. trüb, h. heiter, Rg. Regen, Sch. Schnee, Nrg. Nebelregen, N. Nebel, Frn. Frostnebel. HN. Höhennebel, Hgl. Hagel, Gew. Gewitter, Str. Sturm, Wttl. Wetterleuchten, H. Haufenwolken, GH. geschichtete Haufenwolken, H.GH. Haufen- und geschichtete Haufenwolken, FH. federige Haufenwolken, F. Federwolken, FS. federige Schichtwolken, S. Schichtwolken, D. Dünste, Ab. Abends, Mtt. Mittags, Nchm. Nachmittags, Hor. Horizont ⊙ Hof Sonnenhof ☾Hof Mondhof; Abdr. Abendröthe, Mrgr. Morgenröthe.

Die Ziffern in der Columne „Wetter" geben den Grad der Bewölkung an; 4 bedeutet, dass der ganze Himmel, 3 dass beiläufig $^3/_4$, 2 dass $^1/_2$ und 1 dass $^1/_4$ des Himmels bedeckt ist.

Tafeln zur Reduction der Zonenbeobachtungen.

Zone 91. 1857. Juni 22. $D = + 18^\circ\ 20'$ $\varDelta t = + 0^s.22$

t	*k*		*k'*	*d*		*d'*
$18^h\ 0^m$	$-17^s.37$	+ 5	$-0^s.12$	$+42''.4$	$+2''.5$	$-13''.1$
10	17.32	5	0.12	44.9	2.5	13.1
20	17.27	5	0.12	47.4	2.4	13.1
30	17.22	6	0 12	49.8	2 5	13.0
40	17.16	7	0.12	52.3	2.3	13.0
50	17.09	+ 7	0.12	54.6	+ 2.4	13.0
19 0	− 17.02		− 0.11	+ 57.0		− 13.0

Zone 92. 1857. Juni 27. $D = + 17^\circ\ 10'$ $\varDelta t = + 0^s.22$

t	*k*		*k'*	*d*		*d'*
$17^h 40^m$	$-7^s.28$	+ 4	$-0^s.12$	$+55''.5$	$+2''.5$	$-13''.2$
50	7.24	4	0.12	58.0	2.5	13.1
18 0	7.20	4	0.12	60.5	2.4	13.1
10	7.16	5	0.12	62.9	2.5	13 1
20	7.11	5	0.12	65.4	2 4	13.1
30	7.06	6	0.12	67 8	2.4	13.0
40	7.00	6	0.12	70.2	2.3	13.0
50	6.94	+ 6	0.12	72.5	+ 2.3	13.0
19 0	− 6.88		− 0.12	+ 74.8		− 13.0

Zone 93. 1857. Juni 22. $D = + 17^\circ 20'$ $\varDelta t = + 0^s.10$

t	*k*		*k'*	*d*		*d'*
$17^h\ 0^m$	$+8^s.28$	− 1	$-0^s.12$	$+46''.9$	$+2''.5$	$-13''.3$
10	8.27	0	0.12	49.4	2.4	13.3
20	8.27	0	0.12	51.8	2.5	13.2
30	8.27	0	0.12	54.3	2.5	13.2
40	8.27	+ 1	0.12	56.8	2.5	13.2
50	8.28	+ 2	0.12	59.3	+ 2.4	13.2
18 0	+ 8.30		− 0.12	+ 61.7		− 13.1

Zone 94. 1857. Juni 27. $D = + 18^\circ\ 10'$ $\varDelta t = + 0^s.10$

t	*k*		*k'*	*d*		*d'*
$19^h\ 0^m$	$+8^s.45$	+ 5	− 0.11	$+67''.4$	$+2''.3$	$-13''.0$
10	8.50	5	0.11	69.7	2.2	13.0
20	8.55	6	0.11	71.9	2.2	12.9
30	8.61	+ 6	0.11	74.1	+ 2.1	12.9
40	+ 8.67		− 0.10	+ 76.2		− 12.9

Zone 95. 1857. Juni 28. $D = 17^\circ\ 20'$ $\Delta t = +\ 0^s.10$

t	k		k'	d		d'
$17^h 40^m$	$+\ 11^s.05$	$+1$	$-\ 0.12$	$+\ 53''.0$	$+\ 2''.5$	$-\ 13.2$
50	11.06	2	0.12	55.5	2.4	13.1
18 0	11.08	2	0.12	57.9	2.5	13.1
10	11.10	2	0.12	60.4	2.4	13.1
20	11.12	3	0.12	62.8	2.4	13.1
30	11.15	3	0.12	65.2	2.4	13.1
40	11.18	4	0.12	67.6	2.3	13.0
50	11.22	$+4$	0.12	69.9	$+\ 2.3$	13.0
19 0	$+\ 11.26$		$-\ 0.11$	$+\ 72.2$		$-\ 13.0$

Zone 96. 1857. Juli 14. $D = +\ 18^\circ\ 10'$ $\Delta t = +\ 0^s.07$

t	k		k'	d		d'
$17^h 40^m$	$+\ 46^s.21$	-1	$-\ 0^s.12$	$+\ 33''.6$	$+\ 2''.4$	$-\ 13''.3$
50	46.20	1	0.12	36.0	2.4	13.3
18 0	46.19	0	0.12	38.4	2.4	13.3
10	46.19	$+1$	0.11	40.8	2.4	13.2
20	46.20	0	0.11	43.2	2.3	13.2
30	46.20	$+2$	0.11	45.5	$+\ 2.4$	13.2
40	$+\ 46.22$		$-\ 0.11$	$+\ 47.9$		$-\ 13.2$

Zone 97. 1857. Juli 15. $D = +\ 17^\circ\ 0'$ $\Delta t = +\ 0^s.07$.

t	k		k'	d		d'
$17^h 40^m$	$+\ 47^s.10$	-1	$-\ 0^s.12$	$-\ 31''.8$	$+\ 2''.4$	$-\ 13''.3$
50	47.09	-1	0.12	29.4	2.3	13.3
18 0	47.08	0	0.12	27.1	2.4	13.3
10	47.08	$+1$	0.12	24.7	2.3	13.2
20	47.09	0	0.11	22.4	2.4	13.2
30	47.09	$+1$	0.11	20.0	$+\ 2.3$	13.2
40	$+\ 47.10$		$-\ 0.11$	$-\ 17.7$		$-\ 13.2$

$$AR\ 1860.0 = t + k + \frac{\delta - D}{100}\,k' \quad (t\ \text{5. Columne der Zonen})$$

$$\text{Decl. } 1860.0 = \delta + d + \frac{\delta - D}{100}\,d' \quad (\delta\ \text{7.} \quad " \quad " \quad ")$$

$\delta - D$ in Minuten auszudrücken.

Uebersicht der Zonen 1 bis 97.

Zone	Jahrgang	Zone	Jahrgang	Zone	Jahrgang
1— 8	1857	44—50	1861	64—70	1864.
9—25	1858	51—57	1862	71—80	1865.
26—34	1859	58—63	1863	81—90	1866.
35—43	1860			91—97	1867.

Von AR =	h	m	bis	h	m	$\delta = +$	°	′	bis	°	′	Zone
Von AR =	0	7	bis	1	6	$\delta = +$	17	30	bis	18	5	Zone 47
» »	0	31	»	1	35	»	15	1	»	15	31	» 41
» »	0	32	»	1	15	»	15	31	»	16	6	» 45
» »	0	33	»	1	16	»	15	31	»	16	6	» 44
» »	1	0	»	2	8	»	16	31	»	17	0	» 51
» »	1	2	»	2	7	»	17	0	»	17	30	» 49
» »	1	3	»	1	30	»	17	30	»	18	5	» 48
» »	1	5	»	2	6	»	16	5	»	16	30	» 53
» »	1	8	»	2	1	»	15	31	»	16	6	» 43
» »	1	30	»	2	30	»	15	1	»	15	31	» 46
» »	3	5	»	4	7	»	17	0	»	17	30	» 50
» »	3	11	»	4	17	»	16	30	»	17	0	» 52
» »	3	13	»	3	58	»	17	30	»	18	5	» 55
» »	3	49	»	4	46	»	17	30	»	18	5	» 54
» »	4	41	»	5	41	»	17	30	»	18	5	» 56
» »	5	5	»	6	15	»	17	35	»	17	45	» 60
» »	5	14	»	6	34	»	17	30	»	17	40	» 62
» »	5	18	»	6	21	»	17	45	»	17	55	» 58
» »	5	22	»	6	31	»	17	25	»	17	30	» 64
» »	5	23	»	6	23	»	17	50	»	18	5	» 57
» »	5	54	»	7	0	»	17	15	»	17	25	» 66
» »	6	7	»	7	11	»	17	5	»	17	15	» 67
» »	7	19	»	8	23	»	17	35	»	17	45	» 61
» »	7	22	»	8	21	»	16	35	»	17	5	» 69
» »	7	30	»	8	31	»	17	45	»	17	55	» 59
» »	7	35	»	8	46	»	17	25	»	17	35	» 63
» »	7	38	»	8	7	»	17	15	»	17	25	» 65
» »	8	5	»	9	29	»	16	45	»	17	15	» 68
» »	8	43	»	9	48	»	17	10	»	17	49	» 71
» »	9	24	»	9	57	»	16	20	»	16	50	» 70
» »	10	35	»	11	36	»	17	34	»	18	12	» 72
» »	10	39	»	11	39	»	17	8	»	17	49	» 74
» »	12	39	»	13	41	»	17	40	»	18	12	» 73
» »	12	40	»	13	31	»	17	1	»	17	46	» 75
» »	13	25	»	13	59	»	17	34	»	18	7	» 77
» »	13	27	»	14	37	»	18	2	»	18	40	» 76
» »	13	56	»	14	56	»	17	37	»	18	10	» 78
» »	14	28	»	15	29	»	18	5	»	18	40	» 79
» »	14	39	»	15	36	»	18	32	»	19	8	» 80
» »	16	0	»	16	57	»	17	32	»	18	10	» 81
» »	16	3	»	16	40	»	17	47	»	18	11	» 83
» »	16	7	»	16	56	»	18	18	»	18	44	» 86
» »	16	14	»	17	1	»	18	35	»	19	4	» 88
» »	16	19	»	17	19	»	17	14	»	17	38	» 90
» »	16	20	»	17	8	»	18	2	»	18	25	» 94
» »	16	48	»	17	24	»	17	4	»	17	39	» 3
» »	16	48	»	18	35	»	17	34	»	18	1	» 4
» »	16	54	»	18	35	»	16	34	»	17	9	» 1
» »	17	8	»	17	52	»	17	13	»	17	36	» 93
» »	17	24	»	17	59	»	16	4	»	16	39	» 2
» »	17	42	»	18	42	»	18	48	»	19	2	» 82
» »	17	45	»	18	26	»	18	3	»	18	22	» 96
» »	17	46	»	18	31	»	16	50	»	17	11	» 97

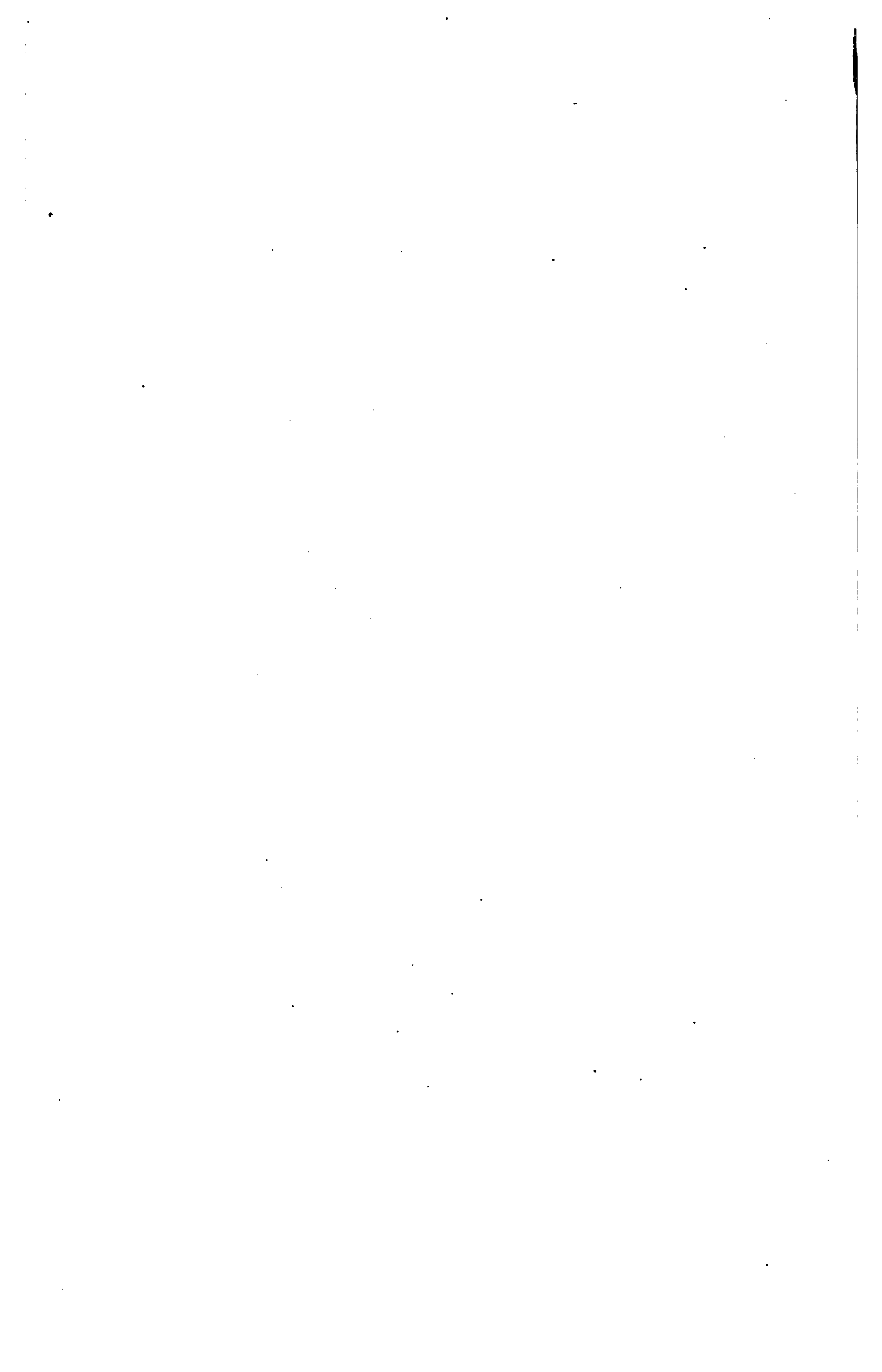
		AR					δ					
Von AR =	17^h	49^m	bis	18^h	52^m	δ = +	17°	$3'$	bis	17°	$21'$	Zone 92
» »	17	52	»	18	55	»	17	14	»	17	41	» 95
» »	17	58	»	18	49	»	18	36	»	18	55	» 87
» »	18	6	»	18	41	»	18	29	»	18	44	» 89
» »	18	15	»	19	5	»	18	19	»	18	33	» 91
» »	18	34	»	19	1	»	18	55	»	19	3	» 85
» »	18	34	»	20	8	»	17	34	»	17	49	» 8
» »	18	44	»	19	43	»	17	47	»	18	3	» 6
» »	18	46	»	19	16	»	17	4	»	17	19	» 11
» »	18	50	»	20	11	»	17	44	»	18	4	» 5
» »	18	55	»	19	38	»	18	1	»	18	25	» 94
» »	18	58	»	20	15	»	17	19	»	17	34	» 10
» »	19	11	»	19	38	»	17	4	»	17	19	» 14
» »	19	26	»	20	48	»	16	49	»	17	4	» 13
» »	19	31	»	20	39	»	17	4	»	17	19	» 12
» »	19	41	»	20	34	»	17	49	»	18	4	» 7
» »	19	53	»	22	12	»	17	34	»	17	49	» 19
» »	20	10	»	21	45	»	17	19	»	17	34	» 27
» »	20	12	»	22	14	»	15	59	»	16	14	» 18
» »	20	21	»	21	29	»	16	39	»	16	49	» 15
» »	20	26	»	21	47	»	16	29	»	16	39	» 16
» »	20	34	»	22	34	»	17	49	»	18	4	» 20
» »	20	39	»	21	45	»	17	4	»	17	19	» 29
» »	20	40	»	21	16	»	16	49	»	17	4	» 25
» »	20	47	»	22	42	»	16	14	»	16	29	» 17
» »	20	50	»	21	42	»	17	34	»	17	49	» 9
» »	21	9	»	22	12	»	16	34	»	17	4	» 23
» »	21	36	»	23	36	»	16	29	»	16	49	» 21
» »	21	37	»	22	39	»	17	4	»	17	34	» 22
» »	21	50	»	22	36	»	15	1	»	15	31	» 38
» »	21	58	»	22	52	»	17	34	»	18	4	» 24
» »	22	3	»	22	46	»	15	31	»	15	51	» 42
» »	22	10	»	22	49	»	16	4	»	16	19	» 32
» »	22	11	»	23	44	»	16	49	»	17	4	» 26
» »	22	29	»	23	42	»	15	1	»	15	31	» 37
» »	22	35	»	23	49	»	17	4	»	17	34	» 28
» »	22	40	»	23	12	»	15	31	»	16	6	» 40
» »	22	42	»	23	45	»	16	4	»	16	34	» 31
» »	22	48	»	0	7	»	17	34	»	18	4	» 30
» »	23	0	»	0	39	»	15	31	»	16	6	» 39
» »	23	36	»	1	6	»	16	33	»	17	3	» 35
» »	23	37	»	0	38	»	15	1	»	15	31	» 36
» »	23	41	»	1	6	»	16	4	»	16	34	» 33
» »	23	48	»	1	6	»	17	4	»	17	34	» 34

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Druckfehler.

Seite 3, Zeile 17 v. o. lies $m = +4^s.585$ statt $-4^s.585$.
» 3, » 9 v. u. » 26^m statt 25^m.
» 5, letzte Zeile und Seite 6 Zeile 8 v. u. lies tgl. Gang $-2^s.00$ statt $+2^s.00$.
» 11, Zeile 8 v. u. lies 27^m statt 28^m.
» 26, » 8 v. o. » $42''.0$ statt 42.
» 27, » 6 v. u. » $m = -1^s.480$ statt $+1^s.480$.
» 28, » 6 v. u., u. Seite 31, Zeile 7 v. u. lies $c = +0^s.319$ statt $c = -0^s.319$.
» 31, » 6 v. u. lies $m = -0^s.630$ statt $m = +0^s.630$.
» 36, » 15 v. o. lies $c = -0^s.105$ statt $-0^s.125$.
» 46, » 19 v. u. » $c = -0^s.321$ statt $-1^s.321$.
» 38—42, bei October 6—24 lies überall $c = +0^s.286$ statt $-0^s.094$.
» 65, Zeile 6 v. u. lies $60''.0$ statt $50''.0$.
» 74, » 14 v. u. » $6.''42$ statt $2.''42$.





ANNALEN



der

k. k. Sternwarte in Wien.

Nach dem Befehle

Seiner k. und k. apost. Majestät

auf öffentliche Kosten

herausgegeben

von

CARL von LITTROW,

Director der Sternwarte, o. ö. Professor der Astronomie an der Wiener Universität, k. k. Regierungsrath, Ritter des k. russ. St. Annen-Ordens zweiter Classe, des Dannebrog- und des k. osman. Medschidije-Ordens dritter Classe Doctor der Philosophie; wirkliches Mitglied der k. Akademie der Wissenschaften zu Wien; Associate der R. Astron. Society zu London; d. Z. Präsident der österr. Gesellschaft für Meteorologie und Mitglied des Vorstandes der astronomischen Gesellschaft zu Leipzig; Mitglied der Association scientifique de France, der kais. Leopoldinisch-Carolinischen Akademie der Naturforscher, sowie gelehrter Gesellschaften zu Sächsisch-Altenburg, Breslau, Castelfranco Cherbourg, Emden, Erfurt, Frankfurt a. M., Görlitz, Heidelberg, Jassy, Mainz, Padua, Rom, Rovereto, Rovigo Ulm, Upsala, Washington, Wien etc.

Dritter Folge

Achtzehnter Band.

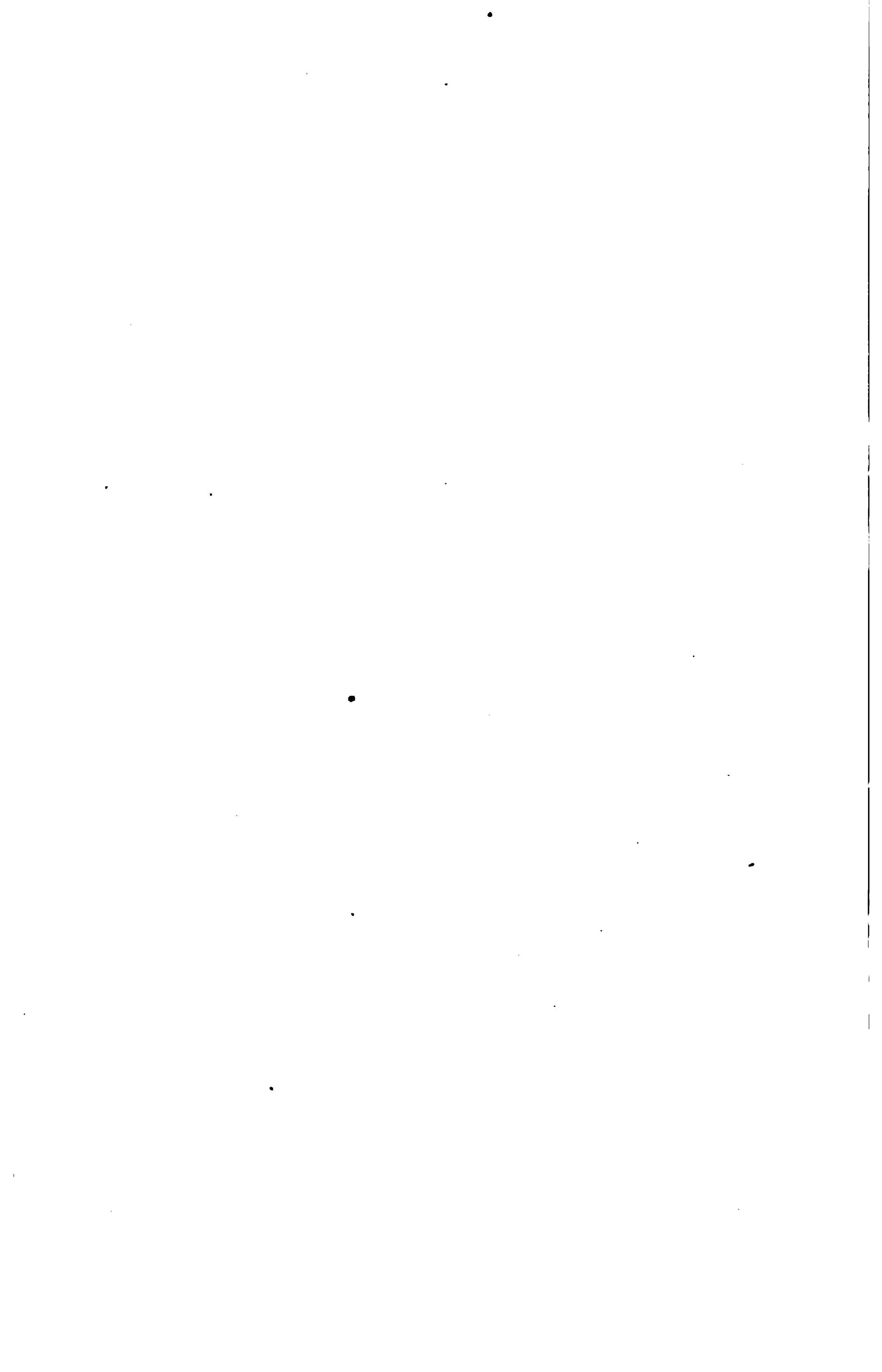
Jahrgang 1868.



WIEN, 1872.

Gedruckt bei Leopold Sommer & Comp.

In Commission der Wallishausser'schen Buchhandlung (Jos. Klemm).



Einleitung.

Für die im vorliegenden Bande abgedruckten Beobachtungen am Refractor ist alles zur Reduction Erforderliche auf der Rückseite des betreffenden Zwischentitels angegeben.

In der Anordnung der Zonenbeobachtungen ist gegen frühere Jahrgänge keine Aenderung eingetreten. Bei den hier veröffentlichten Zonen ergaben sich folgende Differenzen für die als Fundamentalpuncte gebrauchten Sterne, wo man stets deren Position aus den ursprünglichen Quellen von den aus unseren Zonen gefolgerten abgezogen zu denken hat. Die in Klammern eingeschlossenen Zahlen wurden bei der Construction der Tafeln nicht benützt.

1857 Juli 15. Zone 98

	Stern		Diff. AR.	Diff. Decl.
Nr. 14	W. B. XIX.	885.6	— 0ˢ.36	+ 2″.4
» 25	W. B. XIX. R.	994 7704	+ 0.08	+ 2.8
» 27	W. B. XIX.	1005	(— 0.82)	— 0.3
» 40	W. B. XIX.	1163	+ 0.16	— 0.6
» 50	W. B. XIX.	1270	+ 0.46	+ 0.1
» 55	Arg. + 16°	4004	+ 0.23	— 1.8
» 63	W. B. XIX.	1399	0.00	+ 0.8
» 79	Arg. + 16°	4057	+ 0.08	+ 2.9
» 81	W. B. XIX.	1576	(— 0.77)	— 1.7
» 90	P. XIX. W. B. XIX. T.	311 1673 9180	— 0.21	— 2.0
» 92	W. B. XIX.	1694.6	— 0.37	+ 0.1
» 115	W. B. XIX.	1964.5	— 0.29	+ 1.6
» 129	R.	8063	+ 0.41	+ 1.1
» 132	W. A. XX. W. B. XX.	86 141	— 0.41	— 1.5
» 135	W. A. XX. W. B. XX. R.	102 166 8086	— 0.22	— 0.9
» 179	W. A. XX. W. B. XX.	488 706	+ 0.22	+ 0.4
» 183	R.	8308	+ 0.20	— 3.5
» 190	R.	8350	(+ 0.54)	+ 0.1
» 192	W. B. XX.	835	(— 1.69)	— 0.3

1857 Juli 21. Zone 99.

Nr.	Stern		Diff. AR.	Diff. Decl.
Nr. 7	W. B. XVIII. R.	1552.4 6882	— 0ˢ.15	— 1″.4
» 32	W. B. XVIII.	1777	+ 0.09	+ 3.5
» 34	W. B. XVIII.	1810	(— 0.79)	+ 0 2
» 37	R.	7059	+ 0.13	+ 1.1
» 46	R	7099	0.00	— 5.0
» 47	W. B. XIX. R.	29 7116	+ 0.15	— 1.0
» 50	R.	7140	+ 0.04	+ 2.6
» 58	W. B. XIX. R.	162 7188	+ 0 03	+ 0.1
» 59	W. B. XIX. R.	170 7189	+ 0.11	— 1.0
» 81	R.	7341	— 0.06	+ 2.6
» 91	M.	2453	— 0.25	— 1 9
» 92	M.	2454	— 0.09	+ 0.3

1857 Juli 25. Zone 100.

Nr.	Stern		Diff. AR.	Diff. Decl.
Nr. 1	W. B. XVIII.	1097.8	+ 0ˢ.22	+ 0″.1
» 31	W. B. XVIII.	1371.2	— 0.49	+ 0.3
» 51	W. B. XVIII. R.	1552.4 6882	+ 0 18	— 3.7
» 118	W. B. XIX. R.	353 7299	+ 0 04	— 0.1
» 119	R.	7300	+ 0.01	— 1.8
» 123	W. B. XIX. R.	404 7341	— 0.09	+ 3.3
» 145	W. B. XIX.	644.5.6	+ 0.12	+ 2.1

1857. Juli 25. Zone 101.

Nr.	Stern		Diff. AR.	Diff. Decl.
Nr. 7	R.	8146	— 0ˢ.12	+ 1.″5
» 23	R.	8209	+ 0.20	+ 3.6
» 30	Arg. + 16°	4237	+ 0ˢ.20	— 1.0
» 34	W. A. XX.	426	+ 0.07	+ 4.9
» 37	R.	8259	+ 0.23	— 1.5
» 39	W. A. XX.	462	(— 0.69)	— 1.4
» 43	W. A. XX.	503	+ 0.03	+ 3.6
» 60	P. XX. T. R.	185 9466 8381	+ 0.35	— 2.0
» 107	W. A. XX.	1017	+ 0.21	— 0.6
» 119	R.	8585	— 0 29	+ 0.1
» 126	W. A. XX.	1163	— 0.24	— 1.6
» 144	W. A. XX	1321	(- 0.81)	— 3.9
» 146	W. A. XX.	1343	— 0.33	— 0.4
» 152	W. A. XX.	1383	— 0.29	— 1.2

1857 Juli 15. Zone 102.

Nr.	Stern		Diff. AR.	Diff. Decl.
Nr. 7	R	6411	— 0ˢ.22	+ 0.″6
» 16	W. B. XVIII. R.	468 6454	- 0.21	+ 0.8
» 20	R.	6468	— 0.14	- 2.5
» 24	W. B. XVIII. R.	519 6474	+ 0.24	+ 1.6
» 41	W. B. XVIII.	667	+ 0.13	— 1.5
» 53	R.	6609	+ 0.16	+ 1 8
» 61	W. B. XVIII	947	— 0.15	+ 2 4

Nr.		Stern	Diff. AR.	Diff. Decl.
Nr. 73	W. B. XVIII.	1097 8	+ 0ˢ45	+ 0."9
» 83	W. B. XVIII.	1241.2	— 0.07	- 3.2
» 98	W. B. XVIII.	1421 2	— 0.13	+ 0.4
» 108	W. B. XVIII. R.	1552 4 6882	— 0.01	— 1.2

1857. Juli 26. Zone 103.

Nr.		Stern	Diff. AR.	Diff. Decl.
Nr. 1	P. XX. T.	413 9257	— 0ˢ34	— 0."4
» 2	R.	8018	+ 0.14	— 1 1
» 10	R.	8063	+ 0.16	0.0
» 24	R.	8131	+ 0.25	— 0.5
» 36	W. A. XX.	254	0.00	+ 2.5
» 55	W. A. XX.	405	+ 0.15	+ 2.2
» 61	W. A. XX.	462	(— 0.62)	— 0.7
» 78	R.	8372	+ 0.14	+ 0.8
» 80	P. XX. T. R.	185 9466 8381	— 0.24	— 1.2
» 83	W. A. XX.	662	— 0.16	— 7.1
» 87	W. A. XX.	703	(— 0.61)	+ 0.8
» 95	R.	8473	— 0.06	+ 4.4

1857 Juli 27. Zone 104.

Nr.		Stern	Diff. AR.	Diff. Decl.
Nr. 9	W. B. XVIII.	1421.2	+ 0ˢ39	+ 0."4
» 35	W. B. XVIII.	1656	+ 0.10	+ 0.8
» 45	W. B. XVIII. R.	1769 7012	— 0.21	— 3.3
» 46	W. B. XVIII.	1783	(— 0.73)	+ 1.8
» 47	W. B. XVIII.	1777	+ 0.07	+ 1.8
» 49	W. B. XVIII.	1819.21	— 0.09	0·0
» 52	R.	7059	0.00	+ 1.3
» 57	W. B. XVIII.	1905	+ 0.07	— 2.2
» 58	W. B. XVIII.	1901	— 0.06	— 3.2
» 65	R.	7123	+ 0.11	(— 9.1)
» 67	W. B. XIX.	83	— 0.24	— 0.2
» 69	W. B. XIX.	106	+ 0.17	+ 0.8
» 76	W. B. XIX.	171	— 0.14	+ 0.8
» 110	M.	2454	— 0.13	— 1.0
» 112	W. B. XIX. R.	538.9 7406	— 0.38	+ 0.4
» 113	W. B. XIX.	560	+ 0.06	+ 1.2
» 125	R. Arg. + 16°	7505 3871	+ 0.47	— 0.5
» 141	W. B. XIX.	885.6	— 0 23	+ 0.3

1857 Juli 29. Zone 105.

Nr.		Stern	Diff. AR.	Diff. Decl.
Nr. 31	W. B. XVIII.	1180	— 0ˢ01	— 1."5
» 51	W. B. XVIII.	1402	+ 0.03	— 2.9
» 77	W. B. XVIII.	1682	— 0.21	+ 0.5
» 86	W. B. XVIII. R.	1769 7012	— 0.18	— 2.4
» 94	Arg. + 17°	3858	+ 0.29	— 5.1
» 105	W. B. XIX	106	+ 0.14	+ 1 7
» 109	W. B. XIX.	171	+ 0.04	+ 0.7
» 116	R.	7249	+ 0.23	— 0.6

		Stern.	Diff. AR.	Diff. Decl.
Nr. 122	R.	7271	— 0^s.12	+ 2.″8
» 130	W. B. XIX.	407	+ 0.08	— 0.6
	R.	7345		
» 143	W. B. XIX.	538.9	— 0.02	+ 3.8
	R.	7406		
» 148	W. B. XIX.	585	+ 0.02	— 1.2
» 149	W. B. XIX.	594	— 0.06	— 2.1
» 152	W. B. XIX.	628	0.00	0.0
» 159	W. B. XIX.	739.40	— 0.17	— 2.5
	R.	7534		
» 175	W. B. XIX.	994	— 0.39	+ 3.6
	R.	7704		
» 176	W. B. XIX.	1001	+ 0.40	+ 5.3
	R	7715		

1857 Juli 29. Zone 106.

		Stern.	Diff. AR.	Diff. Decl.
Nr. 4	P. XX.	189	+ 0^s.01	+ 0.″5
	W. A. XX.	651		
	T.	9471		
	R.	8401		
» 14	W. A. XX.	750	— 0.13	+ 0.4
	R.	8467		
» 34	W. A. XX.	910	+ 0.10	— 0.3
» 46	W. A. XX.	1017	+ 0.14	+ 1.7
» 60	W. A. XX.	1147	+ 0.47	+ 1.1
» 61	W. A. XX.	1163	— 0.29	— 0.6
» 77	W. A. XX.	1343	— 0.29	— 3.0
» 80	W. A. XX.	1361	— 0.06	+ 0.9
	R.	8751		
» 81	W. A. XX.	1362	+ 0 03	— 1.0
	R.	8752		

1857. Aug. 12. Zone 107.

		Stern.	Diff. AR.	Diff. Decl.
Nr. 18	W. B. XVIII.	1789	— 0^s.22	— 4.″4
	R.	7023		
» 19	R.	7037	+ 0.05	— 0.8
» 55	R.	7279	+ 0.30	+ 0.9
» 58	W. B. XIX.	356	— 0.01	+ 1 2
	R.	7306		
» 65	W. B. XIX.	462	— 0 25	+ 1.4
» 80	R.	7456	+ 0.12	+ 0.7
» 82	W. B. XIX.	644.5.6	+ 0.36	— 1.7
» 87	W. B. XIX.	717	+ 0.19	— 2.2
» 97	R.	7604	+ 0.16	— 1.7
» 100	W. B. XIX.	854.5	— 0.41	+ 4.3
» 113	W. B XIX.	1037.8	0.00	— 1.7
	R.	7737		
» 121	W. B. XIX.	1150.1	+ 0.31	+ 4.3
» 122	W, B. XIX.	1157.8	— 0.23	+ 1.5
» 138	W. B. XIX	1308	— 0.21	+ 1.6
» 140	W. B. XIX.	1371	+ 0.20	— 3.3
» 141	W. B. XIX.	1359	— 0.04	+ 2.2
» 150	Arg. + 16°	4042	— 0.32	— 1 5

1857. Aug. 13. Zone 108.

		Stern.	Diff. AR.	Diff. Decl.
Nr. 1	R.	7505	+ 0^s.30	— 1.″3
	Arg. + 16°	3871		
» 19	W. B. XIX.	894.5	+ 0.06	+ 2.4
» 45	W. B. XIX.	1188.9	— 0.44	+ 0.1

Nr.		Stern.	Diff. AR.	Diff. Decl.
Nr. 47	Arg. + 16°	3981	+ $0^{s}.49$	− $1''.4$
» 61	Arg. + 16°	4004	+ 0.01	− 0.8
» 66	W. B. XIX.	1408	− 0.33	+ 2.1
» 78	W. B. XIX.	1572	− 0.29	− 1.5
» 97	W. B. XIX.	1772.3	(− 1.25)	+ 1.9
» 106	R.	7940	− 0.16	− 4.2
» 107	Arg. + 16°	4117 a	+ 0 43	+ 0.7
» 108	M. S. R.	2567 1934	+ 0.24	+ 3.2
» 114	W. B. XIX.	1964.5	+ 0.30	+ 3.4
» 118	P. XIX. T.	413 9257	− 0.35	− 2.4
» 119	W. A. XX.	5	− 0.33	− 1.6
» 124	R.	8063	+ 0.27	− 0.6
» 126	W. A. XX. W. B. XX.	86 141	− 0.16	− 0.8
» 127	W. A. XX. W. B. XX. R.	102 166 8086	− 0.01	+ 0.3

Von den meteorologischen Beobachtungen aus dem Jahre 1867 stehen den Meteorologen Sonderabdrücke als Ergänzungen der vollständigen vom Jahre 1775 beginnenden und bis einschliesslich 1855 in fünf Bänden eigens publicirten Reihe zur Verfügung.

Wien den 24. Februar 1872.

C. v. Littrow.

PLANETEN-
UND
COMETEN-BEOBACHTUNGEN

AM REFRACTOR VON SECHS ZOLL ÖFFNUNG.

Vom 30. Mai 1870 bis 14. Mai 1871.

Von

Johann Palisa,

Assistent der k. k. Sternwarte.

Die folgenden Beobachtungen sind am Kreismikrometer des Fraunhofer'schen Refractors von sechs Zoll Oeffnung angestellt. Für die Halbmesser des Ringes wurden die früheren Werthe beibehalten, nämlich:

für den äusseren Kreis .... R = 987.″7
„ „ inneren „ .... r = 885.9

Die mittleren Orte der den Katalogen entnommenen Vergleichssterne sind mittelst der Auwers'schen Tafeln Astr. Nachr. Nr. 1300 auf Wolfers reducirt, und an die Orte des Kataloges von Schjellerup zur Reduction auf dasselbe Coordinatensystem + 0ˢ03, + 0.″4 angebracht. Die neueren Meridianbeobachtungen der verschiedenen Sternwarten wurden ohne weitere Correction so angenommen, wie sie vom Beobachter mitgetheilt sind. Die Reduction der Sterne vom mittleren auf scheinbaren Ort ist mit den Constanten des Berliner Jahrbuches berechnet.

Ueber die Art der Reduction der Beobachtungen enthält Annalen, 3. Folge, III. B. alles Nöthige.

Joh. Palisa.

Amalthea.

Amalthea + h m s	s	Stern 1 — h m s	s
10 34 32.1	40.8	10 35 32.3	41.2
36 26.3	17.9	37 27.3	18.5
39 39.3	48.2	40 39.6	48.0
41 33.0	24.5	42 34.5	25.9
43 26.2	35.0	44 26.2	35.1
45 20.0	11.1	46 21.3	12.6
46 40.0	48.7	47 40.0	48.5
48 33.2	24.3	49 35.2	26.7

Amalthea —		Stern 2 +	
11 4 3.2	16.0	11 3 45.0	58.4
5 27.4	14.3	5 5.3	51.7
6 12.2	24.2	5 54.0	7.2
7 36.8	24.2	7 14.2	0.4
8 39.0	51.3	8 21.3	35.2
10 4.1	51.3	9 41.2	27.8
11 47.9	0.2	11 30.8	44.5
13 —	0.9	12 50.4	36.6

	h m s
Mittel der Zeit	10 55 12.1
Correct. der Uhr	— 19 27.3
Sternzeit	10 35 44.8
Mittlere Wien. Zeit ...	10 39 55.6

1871. 21. März. ♂

Differenz (Plan. — St. 1).

— 1ᵐ 0.ˢ55, 0.75, 0.72, 1.05 } + 17′ 18.″1

— 1 0.77

Corr. Uhrgang + 0·33.

Differenz (Pl. — St. 2).

+ 0ᵐ 20.ˢ13, 20.40, 20.05, 19.98 } + 26′ 2.″2

+ 0 20.14

Corr. Uhrgang — 0·11.

Stern 1.

Lal. 22593	11ʰ 54ᵐ 24.ˢ66	+ 8° 38′ 0.″6
Weisse I 921	24.90	3.7
Rümk. 3776	24.79	3.1
Schjell. 4331	24.74	1.3

Blos Schjell. benützt.

1871.0	11ʰ 54ᵐ 24.ˢ74	+ 8° 38′ 1.″3
Reduct. .	+ 0.89	— 5.5
Differ. ..	— 1 0.44	+ 17 18.1
eig. Bew.	+ 0.01	— 0.7
Refr.....	— 0.01	+ 0.5
Amalthea	11 53 25.19	+ 8 55 13.7

Stern 2.

Lal. 22564	11ʰ 53ᵐ 3.ˢ72	+ 9° 21′ 31.″9
Weisse I. 896	3.45	33.6
Schejell. 4324	3.05	36.3

Scheint eine kleine Eigenbewegung zu haben, daher blos Schjell. benützt.

1871.0	11ʰ 53ᵐ 3.ˢ05	+ 9 21′ 36.″3
Reduct. .	+ 0.89	— 5.5
Differ. ..	+ 0 20.03	— 26 2.2
eig. Bew.	— 0.02	+ 0.2
Refr.....	+ 0.01	— 0.7
Amalthea	11 53 23.96	+ 8 55 28.1
Im Mittel	11 53 24.58	+ 8 55 20.9
Log. F. Par.	8.173	9.805

Stern —		Amalthea —	
h m s	s	h m s	s
10 35 19.4	28.1	10 40 26.0	35.1
37 15.3	6.8	42 11.1	2.1
42 53.5	1.2	47 59.2	9.0
44 50.0	41.8	49 45.0	35.8
50 9.3	17.2	55 15.8	25.2
52 6.2	57.9	57 1.5	52.3
57 29.6	37.3	11 2 34.7	43.7
59 26.4	18.1	4 21.2	11.6

Stern +		Amalthea +	
11 33 56.5	7.3	11 38 48.2	57.9
35 28.0	17.1	40 33.4	24.0
40 52.5	3.7	45 44.2	53.8
42 23.2	12.4	47 28.7	19.1
47 54.4	5.3	52 45.0	54.9
49 23.2	11.8	54 28.2	18.4
54 52.1	3.5	59 42.6	53.1
56 21.1	9.7	61 25.5	15.7

Mittel der Zeit	11 21 16.4
Correct. der Uhr	+ 0 29.0
Sternzeit	11 21 45.4
Mittlere Wien. Zeit ...	11 21 52.7

1871. 22. März ☿

Differenz (Plan. — St.).

+ 4m 60.s92, 60.63, 61.00, 59.95	— 2' 2.''1
58.65, 58.50, 57.90, 57.62	— 1 45.8
+ 4 59.40	— 1 54.0
Corr. Uhrg. + 0.04	

Stern.

Lal. 22430 .	11h 47m 30.s66	+ 9° 4' 46.''6
Weisse I 800	30.84	48.7
Schj. 4293..	30.39	47.7

Blos Schj. benützt.

1871.0	11h 47m 30.s39	+ 9° 4' 47.''7
Reduct. .	+ 0.89	— 5.6
Differ...	+ 4 59.44	— 1 54.0
eig. Bew.	0.00	0.0
Refr.....	0.00	0.0
Amalthea.	11 52 30.72	+ 9 2 48.1
Log. F. Par.	7.778n	9.802

Amalthea —		Stern —	
8 31 29.3	39.2	8 31 44.4	54.1
33 13.2	3.4	33 29.1	19.3
33 58.8	8.6	34 14.0	23.6
35 43.1	33.2	35 58.9	49.2
37 0.1	9.7	37 15.9	25.2
38 44.0	34.1	38 59.0	50.0
39 34.2	43.6	39 49.1	58.1
41 18.2	8.5	41 34.0	24.4
42 7.1	16.8	42 22.9	32.4
43 51.2	41.7	44 7.2	57.5

1871. 23. März. ♃

Differenz (Plan. — St.).

— 0m 15.s45, 15.50, 15.55, 15.28, 15.80	— 0' 5.''6
15.88, 16.15, 15.97, 16.30, 16.25	+ 0 1.4
— 0 15.81	— 0 2.1

Amalthea +		Stern +	
h m s	s	h m s	s
8 44 43.6	53.1	8 44 59.3	9.1
46 26.0	16.2	46 41.9	32.0
46 59.6	9.5	47 15.8	25.8
48 42.7	32.6	48 58.6	48.8
49 18.9	28.7	49 35.0	44.9
51 1.9	51.8	51 17.6	7.7
51 51.6	2.0	52 8.5	18.3
53 35.0	25.1	53 51.0	41.1
54 53.1	3.3	55 9.5	19.3
56 36.0	26.0	56 52.2	42.4

	h m s
Mittel der Zeit	8 44 3.4
Correct. der Uhr	+ 40.3
Sternzeit	8 44 43.7
Mittlere Wien. Zeit ...	8 41 20.9

Amalthea +		Stern —	
9 41 54.9	8.3	9 43 51.2	59.2
43 16.3	2.4	45 47.1	39.0
46 19.2	32.2	48 15.6	24.2
47 41.8	28.4	50 13.6	5.8
50 55.1	8.2	52 53.3	2.1
52 20.2	7.5	54 51.7	43.6
55 15.8	28.3	57 13.3	21.6
56 40.3	27.2	59 11.5	3.4

Amalthea +		Stern +	
10 1 47.5	56.2	10 4 22.6	37.3
3 41.8	33.3	5 37.2	22.0
6 12.1	21.1	8 47.4	2.2
8 6.4	57.5	10 1.4	46.9
10 35.9	44.2	13 11.0	26.5
12 29.2	20.1	14 24.5	9.2
15 19.1	28.2	17 54.7	9.5
17 12.5	3.9	19 8.6	53.2

	h m s
Mittel der Zeit	9 59 16.7
Correct. der Uhr	+ 15 13.3
Sternzeit	10 14 30.0
Mittlere Wien. Zeit	10 6 52.5

Stern
B. D. + 9° 2567.

1871.0	11h 51m 59.s45	+ 9° 9′ 13.″2
Reduct. .	+ 0.90	+ 5.4
Differ. ..	— 15.81	— 2.1
eig. Bew.	0.00	0.0
Refr.	0.00	0.0
Amalthea	11 51 44.54	+ 9 9 5.7
Log. F. Par.	8.516n	9.821

1871. 24. März ♀

Differenz (Plan. — St.).

— 2m 13.s65 14.40 14.92 14.55	— 5′ 3.″8
15.08 15.20 15.45 15.58	— 5 2.0
— 2 14.85	— 5 2.9

Stern (= Stern 2 vom 21. März).

1871.0	11h 53m 3.s05	+ 9° 21′ 36.″3
Reduct. .	+ 0.90	— 0.9
Differ. ..	— 2 14 85	— 5 2.9
eig. Bew.	0.00	— 0.2
Refr. ...	0.00	0.0
Amalthea.	11 50 49.10	+ 9 16 27.7
Log. F. Par.	8.262	9.805

Amalthea —				Stern —			
h	m	s	s	h	m	s	s
9	59	22.1	30.5	10	2	32.9	42.2
	61	18.0	9.0		4	18.9	10 0
10	4	41.9	50.3		7	52.9	2.1
	6	37.8	28.9		9	39.3	30.2
	10	24.9	33.6		13	36.6	46.1
	12	21.8	13.2		15	23.9	14.5
	16	30.9	39.2		19	42.5	51.8
	18	27.6	19.1		21	29.8	20.6

Amalthea +				Stern +			
10	23	24.2	34.4	10	26	25.0	34.1
	25	0.3	50.0		28	13.6	4.4
	28	44.9	56.0		31	46.5	55.4
	30	21.2	10.1		33	34.6	25.7
	33	56.8	7.3		36	57.8	7.0
	35	31.9	21.1		38	45.8	36.7
	39	8.2	19.1		42	9.3	18.6
	40	42.9	32.8		43	57.1	48.6

	h	m	s
Mittel der Zeit	10	20	24.7
Correct. der Uhr	+	15	16.5
Sternzeit....	10	35	41.2
Mittlere Wien. Zeit...	10	24	8.4

1871. 25. März ♄

Differenz (Plan. — St.).

— 3^m 6.^{s}10		
6.38	+ 1′ 45.″2	
6.90		
6.97		
7.05		
7.50	+ 1 50.9	
7.55		
7.65		
— 3 7.02	+ 1 48.0	

Stern = (Stern 2. vom 21. März).

1871.0	11^h 53^m 3.^{s}05	+ 9	21	36.3
Reduct. .	+ 0.91		—	5.4
Differ. ..	— 3 7.02		+ 1	48.0
eig. Bew.	0.00		+	0.2
Refr.....	0.00			0.0
Amalthea	11 49 56.94	+ 9	23	19.1
Log. F. Par.	8.507$_n$			9.819

Amalthea +				Stern —			
8	39	51.2	3.4	8	38	9.1	20.4
	41	17.3	5.3		39	41.2	30.0
	43	48.9	1.5		42	6.7	17.7
	45	14.8	2.4		43	39.2	28.1
	49	5.0	17.1		47	22.7	34.0
	50	31.3	18.8		48	55.1	44.0
	52	41.4	53.5		50	59.8	11.0
	54	7.8	55.2		52	31.7	20.9

	h	m	s
Mittel der Zeit	8	47	4.7
Correct. der Uhr.. ...		+	18.0
Sternzeit.............	8	47	22.7
Mittlere Wien. Zeit ...	8	32	11.7

1871. 26. März ☉

Differenz (Plan. — St.).

+ 1^m 39.^{s}12	
38.98	+ 24′ 33.″1
39.10	
38.62	
+ 1 38.95	

Stern = (Stern vom 22. März).

1871.0	11^{h}47^m 30.^{s}39	+ 9°	4′	47.″7
Reduct .	+ 0.90		—	5.3
Differ...	+ 1 38.95	+	24	33.1
eig. Bew.	+ 0.02		—	0.2
Refr....	— 0.05		+	0.9
Amalthea	11 49 10.21	+ 9	29	16.2
Log. F. Par.	8.507$_n$			9.819

Amalthea +		Stern 1 —	
h m s	s	h m s	s
10 38 44.2	56.8	11 37 11.3	23.4
40 9.5	56.8	38 36.9	24.5
46 7.5	20.4	44 33.6	45.5
47 31.1	18.3	46 0.4	48.4
50 22.2	35.1	47 48.0	59.4
51 44.8	31.8	49 14.7	3.0
55 50.0	3.3	54 14.7	26.4
57 11.4	58.5	55 43.0	31.0

Amalthea —		Stern 2 +	
12 7 26.6	36.3	12 9 38.7	48.0
9 9.2	59.5	11 24.8	15.1
12 30.0	39.4	14 43.5	52.4
14 13.7	4.0	16 28.6	18.9
17 37.7	47.3	19 51.8	0.9
19 21.9	12.8	21 36.0	26.7
23 24.2	33.9	25 38.8	48.4
25 9.5	59.7	27 22.9	13.1

	h	m	s
Mittel der Zeit	12	2	17.1
Correct. der Uhr	+		18.2
Sternzeit.............	12	2	35.3
Mittlere Wien. Zeit....	11	46	52.3

Amalthea +		Stern +	
9 57 21.2	30.4	9 56 41.1	51.0
59 9.4	0.1	58 22.0	12.1
10 0 8.0	17.2	59 28.3	37.9
1 56.2	46.8	61 9.0	59.2
2 52.7	2.1	10 2 13.7	23.1
4 40.4	31.5	3 53.2	43.8
5 48.2	57.4	5 8.3	18.2
7 35.9	26.7	6 49.0	39.1
8 43.5	52.4	8 3.4	13.5
10 31.0	21.7	9 44.3	34.6

1871. 26. März. ⊙

Differenz (Plan. — St. 1).

+ 1ᵐ 32.ˢ80	+ 25′ 26.″3
32.35	
32.20	
32.02	
+ 1 32.34	

Differenz (Plan. — St. 2).

— 2ᵐ 13.ˢ75	—20′ 37.″9
14.08	
13.97	
13.98	
— 2 13.93	

Stern 2 = (Stern vom 22. März).

1871.0	11ʰ 47ᵐ 30.ˢ39	+ 9°	4′	47.″7
Reduct.	+ 0.90		—	5.3
Differ. ..	+ 1 32.34	+	25	26.3
eig Bew..	+ 0.02		—	0.2
Refr....	0.00		+	0.7
Amalthea	11 49 3.63	+ 9	30	9.2

Stern 2.

Wien. Merid.-Beob.

1871.0	11ʰ 51ᵐ 14.ˢ05	+ 9°	51′	1.″7
Reduct. .	+ 0.91		—	5.3
Differ. ..	— 2 13.93		— 20	37.9
eig. Bew.	— 0.01		+	0.5
Refr.....	0.00		—	0.6
Amalthea	11 49 1.02	+ 9	30	18.4
Im Mittel ..	11 49 2.33	+ 9	30	13.8
Log. F. Par.	7.403			9.796

1871. 27. März. C

Differenz (Plan. — St.).

+ 0ᵐ 43.ˢ72	
43.45	
43.23	— 1′ 9.″5
43.40	
43.20	
42.80	
42.80	
42.50	— 1 3.3
42.33	
42.15	
+ 0 42.96	— 1 6.4

Amalthea —		Stern —	
h m s	s	h m s	s
10 15 9.0	20.0	10 14 22.3	32.2
16 44.1	33.1	16 5.2	55.3
20 37.5	48.5	19 50.9	0.5
22 11.6	0.8	21 33.0	22.8
27 1.3	12.2	26 15.0	24.8
28 36.3	25.3	27 57.5	47.8
29 43.3	54.3	28 57.2	7.2
31 18.5	7.9	30 40.1	30.2
32 24.2	35.0	31 38.0	47.8
33 59.2	48.4	33 21.1	11.3

	h m s
Mittel der Zeit	10 14 49.6
Correct. der Uhr	+ 19.7
Sternzeit	10 15 9.3
Mittlere Wien. Zeit....	9 55 48.0

Stern.

Bonn. D. 1558.

1871.0	$11^h47^m33.^s20$	$+ 9° 37' 15.''8$
Reduct. .	+ 0.91	— 5.3
Differ. ..	+ 0 42.96	— 1 6.4
eig. Bew.	0.00	— 0.1
Refr.. ..	0.00	0.0
Amalthea	11 48 17.07	+ 9 36 4.0
Log. F. Par.	8.250_n	9.802

Amalthea —		Stern +	
8 37 9.5	20.2	8 40 50.0	0.0
38 45.2	34.7	42 29.3	19.2
44 5.6	16.3	47 46.7	56.5
45 41.3	30.4	49 25.6	15.8
49 53.9	4.0	53 35.0	44.7
51 29.5	18.9	55 14.0	3.8
55 53.5	4.2	59 35.1	44.8
57 30.1	19.5	61 14.7	4.6
9 1 41.7	52.3	9 5 23.5	33.2
3 19.0	8.4	7 3.2	53.6

Amalthea +		Stern +	
9 17 6.2	16.0	9 20 50.9	0.5
18 47.3	37.6	22 29.7	20.0
22 55.3	5.1	26 40.0	49.9
24 36.0	25.7	28 18.6	9.2
28 58.2	8.0	32 43.2	53.0
30 38.8	29.0	34 22.0	12.2
34 43.1	53.0	38 28.7	38.6
36 24.0	14.2	40 7.2	57.2
40 28.7	38.5	44 14.0	23.8
42 8.2	58.4	45 51.7	42.1

	h m s
Mittel der Zeit	9 10 6.7
Correct. der Uhr	+ 21.3
Sternzeit.............	9 10 28.0
Mittlere Wien. Zeit ...	8 47 21.4

1871. 28. März. ♂

Differenz (Plan. — St.).

$— 3^m 42.^s22$	
42.75	
42.80	$— 0' 26.''7$
42.97	
43.03	
43.50	
43.90	
44.10	— 0 14.8
44.40	
44.45	
— 3 43.41	— 0 20.8

Stern.

Lal. 22526..	$11^h51^m12.^s44$	$+9°42' 30.''0$
Piaz. XI 200	12.73	24.6
Weisse I 863	12.32	25.4
Taylor 2384	12.92	25.6
Armagh 2571	12.22	26.7
Bonn. D. 2565	12.33	27.1

angen: $\frac{\text{Arm.} + \text{B.}}{2}$

1871.0	$11^h51^m12.^s28$	$+ 9° 42' 26.''9$
Reduct. .	+ 0.91	— 5.2
Differ. ..	— 3 45.41	— 20.8
eig. Bew.	0.00	0.0
Refr. ...	0.00	0.0
Amalthea	11 47 29.78	+ 9 42 0.1
Log. F. Par.	8.455_n	9.819

Amalthea —		Stern —	
h m s	s	h m s	s
9 24 0.3	11.6	9 21 19.5	28.2
25 34.2	23.4	23 12.3	4.0
28 35.7	47.2	25 55.3	4.1
30 8.8	57.9	27 47.8	39.2
33 14.6	25.7	30 34.0	42.6
34 48.2	36.5	32 27.0	18.4
37 53.0	4.4	35 12.9	21.7
39 27.7	16.6	37 6.5	57.7
42 30.8	42.2	39 51.0	59.6
44 5.7	54.5	41 44.5	35.7
Amalthea +		**Stern +**	
9 47 49.8	59.4	9 45 31.3	44.9
49 35.0	24.8	46 51.9	38.3
52 12.5	22.4	49 54.3	7.8
53 57.0	47.2	51 14.3	0.0
56 39.6	49.3	54 21.4	34.8
58 23.7	14.0	55 41.7	27.0
10 1 21.7	31.1	59 3.3	17.0
3 6.0	56.0	60 23.7	9.8
6 45.6	55.3	10 4 27.5	41.1
8 29.4	19.5	5 47.5	33.3

	h m s
Mittel der Zeit	9 45 56.0
Correct. der Uhr	+ 32.1
Sternzeit......	9 46 28.1
Mittlere Wien. Zeit ...	8 40 0.6

1871. 8. April. ♄

Differenz (Plan. — St.).

$+2^m\ 31^s.37$, 30.80, 30.75, 30.73, 30.60	— 2′ 54″.6
30.65, 30.67, 29.93, 30.25, 30.10	— 2 50.1
+ 2 30.58	— 2 52.3

Stern.

Wien. Mikr. Vgl.		
1871.0	$11^h\ 36^m\ 53^s.38$	+10°38′ 4.4
Reduct. .	+ 0.88	— 58″.4
Differ. ..	+ 2 30.58	— 2 52.3
eig. Bew.	0.00	0.0
Refr.....	0.00	— 0.1
Amalthea.	11 39 24.84	+ 10 36 1.9
Log. F. Par.	8.364_n	9.798

Amalthea —		Stern —	
12 42 19.6	33.9	12 40 38.2	50.1
43 36.9	22.5	42 6.6	54.9
48 31.7	46.3	46 50.4	2.1
49 50.0	35.9	48 19.4	8.3
55 53.4	7.6	54 13.0	24.5
57 12.5	59.2	55 42.5	30.7
59 12.1	26.1	57 32.0	43.5
60 32.6	18.4	59 1.7	50.0
13 2 28.6	42.3	13 0 48.3	0.2
3 49.4	36.2	2 18.6	7.2

1871. 11. April ♂

Differenz (Plan. — St.).

$+1^m\ 35^s.78$, 35.92, 35.50, 35.40, 35.55	— 1′ 1″.3
35.35, 35.20, 34.87, 34.83, 34.75	— 0 57.5
+ 1 35.31	— 0 59.4

Amalthea +				Stern +			
h	m	s	s	h	m	s	s
12	12	1.2	12.3	13	10	30.2	42.8
	13	35.0	24.3		11	55.5	42.9
	15	31.2	42.0		14	0.4	12.6
	17	5.0	53.6		15	25.3	12.7
	19	3.3	14.1		17	32.8	45.3
	20	36.1	25.4		18	57.1	44.2
	27	6.9	17.8		25	36.6	49.3
	28	38.4	27.7		26	58.9	46.7
	30	42.4	53.5		29	12.1	25.3
	32	14.0	2.4		30	34.3	21.6

	h	m	s
Mittel der Zeit	13	8	0.0
Correct. der Uhr		+	34.1
Sternzeit........... ..	13	8	34.1
Mittlere Wien. Zeit ...	11	49	45.8

Stern.

Wien. Mikr. Vgl.		
1871.0	$11^h 35^m 57.^s 69$ +	10° 47′ 6.″3
Reduct. .	+ 0.88	— 4.2
Differ. ..	+ 1 35.31	— 0 59.4
eig. Bew.	0.00	0.0
Refr.....	0.00	0.0
Amalthea	11 37 33.88 +	10 46 2.7
Log. F. Par.	8.243	9.796

1871. 12. April. ☿

Amalthea +				Stern +			
10	25	6.2	17.5	10	23	53.4	3.2
	26	35.2	23.7		25	34.2	24.3
	28	4.2	16.0		26	51.5	1.3
	29	32.9	21.0		28	31.5	21.8
	33	35.5	47.3		32	23.0	33.0
	35	4.0	51.5		34	3.0	53.0
	36	32.0	44.1		35	19.5	29.4
	38	0.3	48.2		36	59.8	50.0
	39	33.0	44.9		38	20.6	30.6
	41	1.0	48.8		40	0.4	50.2

Amalthea —				Stern —			
10	42	58.9	8.2	10	41	57.2	7.4
	44	47.0	37.8		43	35.6	25.1
	46	4.5	14.0		45	3.1	13.8
	47	52.4	43.2		46	41.2	30.9
	49	40.4	49.9		48	39.3	49.4
	51	29.3	20.0		50	18.2	7.8
	52	53.7	3.0		51	52.1	2.5
	54	43.2	34.2		53	32.0	22.1
	56	13.0	22.2		55	11.3	21.6
	58	2.9	53.4		56	51.8	41.4

	h	m	s
Mittel der Zeit	10	41	53.4
Correct. der Uhr		+	35.4
Sternzeit.............	10	42	28.8
Mittlere Wien. Zeit ...	9	20	8.5

Differenz (Plan. — St.).

+ 1^m $6.^s88$	
7.00	
6.57	+ 1′ 26.″8
6.47	
6.50	
6.53	
6.27	
6.22	+ 1 27.2
6.35	
6.35	
+ 1 6.51	+ 1 27.0

Stern (= Stern vom 11. April).

1871.0	$11^h 35^m 57.^s 69$	+10° 47′ 6.″3
Reduct. .	+ 0.87	— 4.1
Differ. ..	+ 1 6.51	+ 1 27.0
eig. Bew.	0.00	+ 0.1
Refr.....	0.00	0.0
Amalthea	11 37 5.07	+10 48 29.5
Log. F. Par.	8.028_n	9.786

Amalthea —				Stern —			
h	m	s	s	h	m	s	s
10	12	25.7	34.2	10	12	3.1	16.2
	14	18.0	9.1		13	27.3	14.1
	14	57.4	6.2		14	36.1	48.3
	16	50.0	41.2		15	59.1	46.5
	18	17.2	26.0		17	55.0	8.2
	20	10.0	0.9		19	19.2	6.3
	21	35.1	44.0		21	13.3	26.5
	23	27.5	18.6		22	36.8	24.4
	24	20.0	28.7		23	58.0	11.1
	26	12.9	4.0		25	22.4	9.8
	27	43.4	52.2		27	21.0	34.0
	29	36.3	27.6		28	45.7	33.0
Amalthea +				**Stern +**			
10	40	19.0	33.0	10	39	28.6	37.4
	41	39.7	26.0		41	19.0	10.4
	49	16.4	29.2		48	26.5	35.3
	50	40 0	26.8		50	19.1	10.2
	51	51.8	14.3		51	2.0	10.5
	53	15.2	2.1		52	54.2	45.3
	54	23.4	36.0		53	33.5	42.2
	55	46.0	33.4		55	25.7	17.0
	56	58.8	12.1		56	8.7	17.6
	58	22.1	9.1		58	1.2	52.4
	59	26.4	38.7		58	37.2	45.7
	60	53.2	40.2		60	31.5	22.9

	h	m	s
Mittel der Zeit	10	44	8.2
Correct. der Uhr		+	36.0
Sternzeit	10	44	44.2
Mittlere Wien. Zeit ...	9	18	27.7

1871. 13. April. ♃

Differenz (Plan. — St.).

+0^m 36.^{s}58		
36.20		
36.35	+	3′ 55.″1
36.05		
36.07		
36.25		
35.57		
35.33		
35.35	+	3 55.2
35.10		
35.55		
35.32		
+0 35.81	+	3 55.1

Stern (= Stern vom 11. April).

1871.0	11^h 35^m	57.^{s}69	+10° 47′	6.″3
Reduct. .	+	0.87	—	4.0
Differ. ..	+ 0	35.81	+ 3	55.1
eig. Bew.		0.00	+	0.1
Refr.		0.00	+	0.1
Amalthea	11 36	34.37	+ 10 50	57.6
Log. F. Par.		8.006$_n$		9.785

Amalthea +				Stern +			
14	8	30.1	44.3	14	5	57.0	5.3
	9	50.1	36.3		7	52.2	43.8
	12	52.3	7.2		10	19.0	27.5
	14	10.4	56.2		12	13.6	5.0
	17	9.0	23.3		14	34.9	43.3
	18	25.0	10.7		16	29.0	20.7
	21	28.2	43.0		18	53.9	2.4
	22	44.2	29.3		20	47.8	39.3
	25	37.5	53.3		23	2.6	11.1
	26	50.2	34.6		24	55.3	46.7

1871. 14. April. ♀

Differenz (Plan. — St.).

+ 2^m 15.^{s}63		
15.25		
15.02	+	4′ 52.″4
15.33		
14.97		
14.77		
14.30		
14.38	+	4 50.7
14.87		
14.53		
+ 2 14.90	+	4 51.5

Amalthea —		Stern —	
h m s	s	h m s	s
14 30 10.0	18.3	14 28 14.6	28.9
32 4.0	55.1	29 29.8	15.0
34 22.2	30.5	32 26.4	40.9
36 15.2	7.4	33 42.2	28.6
38 43.8	52.3	36 47.6	2.1
40 38.1	29.3	38 5.2	51.1
43 9.7	18.2	41 13.0	27.7
45 4.7	56.1	42 31.3	17.2
47 42.0	50.8	45 46.0	0.0
49 38.0	29.1	47 5.0	50.8

	h m s
Mittel der Zeit	14 28 40.2
Correct. der Uhr	+ 37.1
Sternzeit.............	14 29 23.3
Mittlere Wien. Zeit ...	12 58 33.7

Stern.

Weisse I. 569	$11^h33^m44.^s26$	$+10°48'48.''1$
Schl. 4213	44.40	43.6

Blos Schj. benützt.

1871.0	$11^h33^m 44.^s40$	$+10° 48' 43.''6$
Reduct. .	+ 0.85	— 3.9
Differ....	+ 2 14.90	+ 4 51.5
eig. Bew.	0.00	+ 0.1
Refr.....	+ 0.01	+ 0.2
Amalthea	11 36 0.16	+10 53 31.5
Log. F. Par.	8.490	9.807

Eunomia.

Eunomia —		Stern —	
h m s	s	h m s	s
11 55 11.8	20.8	11 58 43.3	52.9
56 55.3	46.0	60 26.9	17.8
12 3 43.7	53.8	12 7 16.1	25.4
5 27.0	17.2	8 58.7	49.0
9 30.1	39.4	13 2.4	11.3
11 12.5	3.0	14 44.4	35.1
15 23.8	33.0	18 55.7	6.1
17 5.0	55.1	20 37.1	26.8
Eunomia +		**Stern +**	
12 27 23.9	34.5	12 30 56.0	6.4
29 1.2	50.4	32 34.5	23.9
32 53.4	4.3	36 26.3	37.1
34 32.2	21.5	38 5.7	55.2
38 29.0	39.7	42 1.6	12.1
40 5.5	55.1	43 39.3	28.9

	h m s
Mittel der Zeit	12 18 21.0
Correct. der Uhr	— 19 54.4
Sternzeit.............	11 58 26.6
Mittlere Wien. Zeit....	12 2 23.8

1871. 21. März. ♂

Differenz (Plan. — St. 1).

$— 3^m 31.^s75$	
31.87	+ 0' 3."8
32.05	
32.20	
32.70	
33.23	+ 0' 8."1
33.15	
— 3 32.42	+ 0 5.6
Corr. Uhrg. . + 1.15	

Stern.

Weisse I 516	$10^h29^m57.^s66$	— 5° 10' 1."7
Lamont. 925	58.14	9 56.5
Schj. 3878(9)	57.56	9 57.5

Blos Schj. benützt.

1871.0	$10^h29^m 57.^s56$	— 5° 9' 57."5
Reduct. .	+ 0.79	— 6.7
Differ. ..	— 3 31.27	+ 0 5.6
eig. Bew.	0.00	0.0
Refr.....	0.00	0.0
Eunomia .	10 26 27.08	— 5 9 58.6
Log. F. Par.	8.241	9.902

Eunomia +		Stern 1 —	
h m s	s	h m s	s
9 17 12.4	21.5	9 17 24.3	32.8
19 2.0	53.1	19 12.2	2.9
19 29.5	38.4	19 41.0	49.8
21 18.5	9.7	21 29.2	19.2
21 56.7	5.6	22 7.6	16.4
23 45.5	36.6	23 56.1	47.3
24 14.0	22.8	24 25.0	33.5
26 2.7	53.4	26 13.7	4.9
Eunomia —		**Stern 2 +**	
9 27 30.5	41.2	9 28 29.0	40.6
29 3.6	52.9	29 56.2	44.5
30 16.6	27.1	31 15.8	27.0
31 50.4	39.3	32 42.8	31.0
32 57.6	8.2	33 56.6	8.3
34 31.4	20.8	35 23.4	12.0
35 48.6	59.4	36 48.5	0.0
37 23.3	12.4	38 14.8	3.1

	h	m	s
Mittel der Zeit	9	27	1.4
Correct. der Uhr		+	28.8
Sternzeit.............	9	27	30.2
Mittlere Wien. Zeit ...	9	28	5.8

1871. 22. März. ☿

Differenz (Plan. — St. 1).

—0ᵐ	10.ˢ80	
	10.75	+ 18′ 53.″7
	10.75	
	11.05	
—0	10.84	

Differenz (Plan. — St. 2).

— 0ᵐ	55.ˢ52	
	55.80	— 24′ 4.″9
	55.58	
	55.73	
—0	55.66	
Corr. Uhrg. —	0.01	

Stern 1.

Lal. 20428	10ʰ25ᵐ 58.ˢ64	—5°24′ 34.″7
Weisse I 441	59.08	39.7
Santini 209	59.10	40.1

Angen.: $\frac{W + S}{2}$

1871.0	10ʰ25ᵐ 59.ˢ09	— 5° 24′ 39.″9
Reduct. .	+ 0.77	— 6.8
Differ. ..	— 10.84	+ 18 53.7
eig. Bew.	+ 0.01	— 0.5
Refr. ...	— 0.02	+ 0.9
Eunomia	10 25 49.01	— 5 5 52.2

Stern 2.

Lal 20443	10ʰ26ᵐ 42.ˢ68	— 4°41′ 26″.0
Weisse I. 447	43.16	31.2
Santini... 233	43.02	30.3
Schj..... 3863	43.18	33.2

angen. $\frac{W + S + 2\ \text{Schj.}}{4}$

1871.0	10ʰ26ᵐ 43.ˢ14	— 4° 41′ 32.″0
Reduct. .	+ 0.77	— 6.7
Differ....	— 55.67	—24 4.9
eig. Bew.	— 0.01	+ 0.3
Refr.....	+ 0.02	— 1.2
Eunomia.	10 25 48.25	— 5 5 44.5
Im Mittel...	10 25 48.63	— 5 5 48.4
Log. F. Par.	8.049_n	9.908

Hera.

Hera —				Stern —			
h	m	s	s	h	m	s	s
14	30	36.8	47.1	14	28	4.2	14.8
	32	12.2	2.2		29	35.5	24.6
	35	8.2	18.9		32	36.2	46.8
	36	45.1	35.0		34	8.2	57.2
	39	52.2	2.3		37	20.1	30.4
	41	29.8	19.4		38	52.9	42.4
	45	37.8	48.3		43	6.5	17.0
	47	17.2	7.2		44	40.2	29.8
	51	14.9	24.8		48	43.0	53.3
	52	53.8	44.0		50	17.1	6.5

Hera +				Stern +			
14	58	12.3	23.1	14	55	36.0	46.3
	59	44.3	33.8		57	13.0	3.2
15	3	4.4	15.3	15	0	28.1	38.5
	4	36.1	25.2		2	4.9	54.9
	7	52.0	3.3		5	15.8	26.1
	9	22.2	11.0		6	52.1	41.8
	12	28.5	39.7		9	52.1	2.2
	13	58.0	46.7		11	27.0	16.7
	16	31.3	43.3		14	55.8	6.1
	18	0.5	49.0		16	30.0	19.4

	h	m	s
Mittel der Zeit	14	54	51.0
Correct. der Uhr	+	0	34.1
Sternzeit.............	14	55	25.1
Mittlere Wien. Zeit...	13	36	19.3

1871. 11. April. ♂

Differenz (Plan. — St.).

+2ᵐ 34.ˢ80		
34.70		
34.48	+ 0′ 34.″5	
34.30		
34.40		
33.75		
33.68		
33.17	+ 0 45.8	
33.77		
33.20		
+2 34.00	+ 0 40.1	

Stern. Weisse I. 744.

1871.0	12ʰ 44ᵐ 31.ˢ41	+ 2° 34′ 15.″5
Reduct. .	+ 0.99	— 5.8
Differ. ..	+ 2 34.00	+ 0 40.1
eig. Bew.	0.00	0.0
Refr. ...	0.00	0.0
Hera ...	12 47 6.40	+ 2 34 49 8
Log. F. Par.	8.372	9.857

Hera +				Stern +			
11	56	39.3	50.4	11	56	10.3	20.3
	58	9.3	58.0		57	47.5	37.6
	59	1.2	12.9		58	32.3	42.4
	60	31.1	19.4		60	9.3	59.2
12	1	18.4	30.0	12	0	49.5	59.6
	2	46.8	35.3		2	25.7	15.5
	3	36.1	47.6		3	7.3	17.2
	5	4.9	53.2		4	43.6	33.4
	5	49.7	1.2		5	21.1	31.3
	7	19.0	7.2		6	57.3	47.0

1871. 12. April. ☿

Differenz (Plan. — St.).

+ 0ᵐ 25.ˢ28	
25.35	
25.05	+ 0′ 56.″1
25.07	
25.10	
24.90	
24.33	
24.52	+ 1 1.0
24.53	
24.40	
+ 0 24.85	+ 0 58.5

Hera — h m s	s	Stern — h m s	s
12 17 45.8	55.4	12 17 24.7	34.3
19 32.3	22.8	19 3.7	54.0
20 14.0	23.4	19 52.9	3.0
22 0.5	51.2	21 32.9	23.0
22 54.3	3.8	22 33.0	43.1
24 39.3	30.4	24 11.7	1.9
25 17.4	27.0	24 56.7	6.2
27 3.2	53.8	26 35.1	25.3
27 37.1	46.3	27 16.2	26.0
29 22.5	13.2	28 54.3	45.0

	h	m	s
Mittel der Zeit	12	12	50.2
Correct. der Uhr	+	0	35.4
Sternzeit	12	13	25.6
Mittlere Wien. Zeit ...	10	50	50.4

Stern.

	α	δ
Lal. 23987	$12^h45^m59.^s06$	+2° 38′ 40.″6
Weisse I. 765	59.03	44.9
Sant. 145 ..	58.93	44.7
Lamont 3887	58.88	42.5
Schj. 4641 ..	58.95	43.6

ang. $\frac{S + L + Schj.}{3}$

	α	δ
1871.0	$12^h45^m58.^s92$	+ 2° 38′ 43.″6
Reduct. .	+ 1.00	— 5.7
Differ. ..	+ 24.85	+ 58.5
eig. Bew.	0.00	0.0
Refr. ...	0.00	0.0
Hera	12 46 24.77	+ 2 39 36.4
Log. F. Par.	7.798_n	9.854

Thalia.

Thalia — h m s	s	Stern — h m s	s
14 15 21.2	31.2	14 12 55.1	4.0
16 58.0	48.0	14 47.4	39.3
22 27.8	38.0	20 2.1	10.6
24 5.2	55.6	21 55.7	47.2
27 1.9	12.0	24 36.5	45.0
28 40.0	29.5	26 30.2	21.9
31 33.8	44.0	29 8.5	17.2
33 12.1	1.9	31 2.7	54.2
Thalia +		**Stern +**	
14 38 14.2	23.2	14 36 6.9	18.2
40 1.2	52.0	37 34.7	23.3
42 35.4	44.6	40 18.2	39.6
44 21.8	12.0	42 5.1	53.4
46 57.2	6.5	44 50.2	2.5
48 43.3	34.4	46 16.8	5.0
51 12.9	22.2	49 6.1	18.2
52 58.3	49.4	50 32.2	20.2

	h	m	s
Mittel der Zeit	14	35	16.5
Correct. der Uhr		+	56.3
Sternzeit	14	36	12.8
Mittlere Wien. Zeit ...	11	7	25.2

1871. 14. Mai ⊙

Differenz (Plan. — St.).

α	δ
$+2^m\ 18.^s08$	
17.75	— 2′ 30.″0
17.45	
17.30	
16.87	
16.88	— 2 29.2
16.72	
16.53	
+ 2 17.20	— 2 29.6

Stern.

	α	δ
Lal. 27237 .	$14^h\ 51^m\ 14.^s30$	—10°38′ 4.″7
Weisse I. 948	13.99	5.3
Taylor 7879	14.15	6.0
Santini 324 .	14.13	0.6
Gilliss 744 ..	14.22	8.2
Armagh 3142	14.16	4.1
Radcl. II. 1440	13.97	4.8
Mädler 1907	14.10	2.0

ang.: $\frac{T + S + G + A + R + M}{6}$

1871.0	$14^h 51^m 14.^s12$	—10° 38′	4.″3
Reduct.	+ 1.32	—	5.2
Differ. ..	+ 2 17.20	— 2	29.6
eig. Bew.	0.00	—	0.1
Refr.	0.00	—	0.1
Thalia.	14 53 32.64	— 10 40	39.3
Log. F. Par	7.529_n		9.932

Thalia —				Stern —			
h	m	s	s	h	m	s	s
15	26	49.1	0.0	15	25	23.0	32.4
	28	24.0	13.1		27	15.1	6.2
	30	14.1	25.0		28	48.5	57.2
	31	49.4	38.7		30	40.6	32.2
	33	57.5	8.3		32	32.0	40.9
	35	33.2	22.6		34	24.5	16.0
	37	18.2	28.8		35	53.1	1.5
	38	54.0	43.4		37	45.7	37.1

	h	m	s
Mittel der Zeit	15	32	52.4
Correct. der Uhr	+	0	56.8
Sternzeit	15	33	49.2
Mittlere Wien. Zeit ...	12	0	56.2

1871. 15. Mai. ☾

Differenz. (Plan. — St.).

$+1^m$ 17.^{s}38
17.17
17.05
16.75
} — 2′ 34.″8

+1 17.09

Stern (= Stern vom 14. Mai).

1871.0	$14^h 51^m 14.^s12$	—10° 38′	4.″9
Reduct. .	+ 1.33	—	5.2
Differ....	+ 1 17.09	— 2	34.8
eig. Bew.	0.00	+	0.4
Refr.	0.00	—	0.2
Thalia ..	14 52 32.54	—10 40	44.7
Log. F. Par.	7.896		9.931

Undina.

Undina —				Stern —			
h	m	s	s	h	m	s	s
11	2	59.8	10.3	11	0	6.2	17.1
	4	38.3	28.0		1	44.2	33.2
	13	25.1	36.0		10	32.2	42.8
	15	5.3	54.7		12	11.2	59.8
	18	22.6	33.0		15	28.8	39.3
	20	2.2	51.2		17	8.0	57.5
	23	39.1	49.6		20	46.0	56.6
	25	19.3	8.9		22	25.5	15.0

1871. 24. März. ♀

Differenz (Plan. — St.).

$+2^m$ 53.^{s}92
53.78
53.85
53.45
} + 0′ 5.″8

53.65
53.12
53.03
53.28
} + 0 16.2

+ 2 53.51 + 0 11.0

Undina +			Stern +		
h m	s	s	h m	s	s
11 29	9.8	20.0	11 26	15.3	25.1
30	53.8	44.0	28	1.2	51.4
34	52.2	2.3	31	58.3	8.2
36	35.1	24.9	33	42.7	32.8
40	16.0	26.2	37	22.2	12.2
41	57.8	47.6	39	5.6	55.5
45	55.8	6.0	43	1.1	11.4
47	36.4	26.3	44	44.4	34.7

	h m s
Mittel der Zeit	11 26 55.6
Correct. der Uhr	+ 15 13.4
Sternzeit	11 42 9.0
Mittlere Wien. Zeit ...	11 34 21.1

Stern. Wien. Mikr. Vgl.

1871.0	12h 11m 23.s86	+ 13° 14′ 24.″6
Reduct. .	+ 0.93	− 5.5
Differ. ..	+ 2 53.51	+ 0 11.0
eig. Bew.	0.00	+ 0.0
Refr. ...	0.00	+ 0.0
Undina ..	12 14 18.30	+ 13 14 30.1
Log. F. Par.	7.803n	9.760

Undina +			Stern +		
10 58	29.9	39.4	11 2	11.4	20.9
60	12.6	2.2	4	1.9	52.2
11 4	35.3	45.5	8	17.0	16.4
6	17.2	7.0	10	7.2	57.6
10	56.9	7.9	14	39.2	48.8
12	35.3	24.9	16	25.7	16.3
16	55.3	6.0	20	36.5	46.8
18	32.8	21.7	22	23.7	13.9

Undina −			Stern −		
11 26	44.3	54.2	11 30	35.1	45.4
28	34.2	24.5	32	16.1	5.8
32	46.9	56.4	36	38.1	48.2
34	37.2	27.3	38	19.5	9.4
39	9.2	19.0	43	0.4	10.9
41	0.3	50.5	44	42.2	31.9
45	12.4	22.2	49	4.4	14.7
47	2.2	52.5	50	44.4	34.1

	h m s
Mittel der Zeit	11 22 43.9
Correct. der Uhr	+ 15 16.2
Sternzeit	11 38 0.1
Mittlere Wien. Zeit ...	11 26 47.1

1871. 25. März. ♄

Differenz (Plan. — St.).

— 3m 45.s63 45.80 46.25 46.27	+ 1′ 13.″1
46.30 46.85 46.60 47.07	+ 1 19.5
— 3 46.45	+ 1 16.3

Stern. B. D. 2529a

1871.0	12h 17m 20.s45	+ 13° 18′ 5.″6
Reduct. .	+ 0.94	− 5.6
Differ....	− 3 46.45	+ 1 16.3
eig. Bew.	0.00	0.0
Refr.....	0.00	0.0
Undina..	12 13 34.94	+ 13 19 16.3
Log. F. Par.	7.848n	9.759

Undina −			Stern −		
9 5	23.1	33.4	9 8	58.4	8.0
7	6.2	55.8	10	44.6	34.9
13	18.1	28.4	16	54.4	4.0
15	1.4	51.2	18	40.4	31.0
19	40.0	50.2	23	16.1	25.7
21	23.0	12.7	25	2.1	52.4
26	1.5	12.0	29	38.1	47.4
27	45.2	34.9	31	24.0	14.2

1871. 26. März. ☉

Differenz (Plan. — St.).

— 3m 36.s85 37.67 37.60 37.53	— 0′ 27.″2
37.88 37.90	— 0 26.1
— 3 37.57	— 0 26.8

Undina +		Stern +	
h m s	s	h m s	s
9 34 5.2	17.0	9 37 45.6	57.3
35 40.5	28.8	39 15.9	4.2
41 52.1	2.6	45 31.4	42.3
43 33.2	23.1	47 9.7	59.2

	h m s
Mittel der Zeit	9 24 14.1
Correct. der Uhr	+ 18.0
Sternzeit	9 24 32.1
Mittlere Wien. Zeit ...	9 10 45.2

Die Beobachtung wurde wegen eingetretener Bewölkung abgebrochen.

Undina +		Stern +	
14 31 54.0	4.4	14 35 39.0	48.5
33 37.5	27.2	37 25.8	16.5
38 29.0	30.2	42 14.7	24.2
40 12.2	2.2	44 0.8	51.7
46 1.0	11.1	49 46.4	56.1
47 43.0	32.9	51 31.8	22.5
52 29.0	39.3	56 14.8	24.7
54 9.7	59.8	57 59 7	50.0
Undina —		**Stern —**	
15 2 59.3	0.8	15 6 40.2	50.6
4 37.2	27.3	8 22.7	12 8
9 54.4	4.3	13 44.7	54.8
11 38.4	28.5	15 24 2	14 0
16 11.9	21.4	20 2.3	13.3
17 59.8	50.1	21 45.8	36.0
22 34.4	44.2	26 25.2	35.3
24 21.5	13.2	28 8.8	59.0

	h m s
Mittel der Zeit	14 58 30.1
Correct. der Uhr	+ 18.4
Sternzeit	14 58 48.5
Mittlere Wien Zeit ...	14 42 36.6

Undina —		Stern 1 +	
12 39 22.0	30.8	12 36 38.1	47.2
41 15.2	6.2	38 30.0	21.0
45 28 7	37.3	42 45.5	54.5
47 22.1	13.7	44 37.0	27 9
51 54.3	3.2	49 11.4	20.6
53 48.3	39 5	51 2.8	53 5
57 49 5	58.0	55 7.3	16.4
59 44.1	35.2	56 58.1	48.9

Stern.

B. D. 2526 ...	$12^h 16^m 32.^s54$	$+13° 24' 4.''7$
Schj. 4462 ..	32 72	4.2

ang. $\frac{\text{B.} + \text{Schj.}}{2}$

1871.0	$12^h 16^m 32.^s63$	$+13° 24' 4.''5$
Reduct. .	+ 0.94	— 5.5
Differ. ..	— 3 37.57	— 0 26.8
eig. Bew.	0.00	+ 0.1
Refr. ..	0.00	0.0
Undina .	12 12 56.00	+13 23 32.3
Log. F. Par.	8.484_n	9.785

1871. 26. März. ☉

Differenz (Plan. — St.).

$— 3^m 46.^s68$	
47.20	+ 0' 32.''0
47.20	
47.85	
47.67	
48.08	+ 0 36.8
48.55	
48.75	
— 3 47.72	+ 0 34.4

Stern wie früher.

1871.0	$12^h 16^m 32.^s63$	$+13° 24' 4.''5$
Reduct. .	+ 0.94	— 5.5
Differ. ..	— 3 47.72	+ 0 34.4
eig. Bew.	0.00	0.0
Refr. ...	0 00	0 0
Undina..	12 12 45.85	+13 24 33.4
Log. F. Par.	8.481	9.782

1871. 28. März. ♂

Differenz (Plan — St. 1).

$+ 2^m 44.^s50$	
44.18	— 18' 25.''1
44.30	
44.02	
+ 2 44.25	

Undina +			Stern 2 —		
h m s		s	h m s		s
13 35	51.6	2.4	13 33	33.6	43.0
37	30.3	19.5	35	17.0	7.2
40	45.4	56.0	38	26.6	35.9
42	23.0	12.4	40	10.4	0.8
45	48.7	0.0	43	29.5	39.2
47	25.3	14.5	45	14.0	4.8
50	28.8	39.2	48	8.5	18.4
52	4.2	53.6	49	54.0	44.2

	h m s
Mittel der Zeit	13 16 48.8
Correct. der Uhr	+ 21.2
Sternzeit	13 17 10.0
Mittlere Wien. Zeit....	12 53 22.9

Differenz (Plan. — St. 2).

+ 2m 15.s75	} + 22′ 1.″7	
15.78		
15.25		
15.17		
+ 2 15.49		

Stern 1. B. D. 2511.

1871.0	12h 8m 38.s86	+13° 51′ 40.″1
Reduct...	+ 0.95	— 5.2
Differ. ..	+ 2 44.25	— 18 25.1
eig. Bew.	— 0.01	+ 0.5
Refr. ...	0.00	— 0.2
Undina..	12 11 24.05	+ 13 33 10.1

Stern 2. Schj. 4426 (7)

1871.0	12h 9m 5.s99	+13° 11′ 18.″9
Reduct...	+ 0.94	— 5.2
Differ. ..	+ 2 15.49	+22 1.7
eig. Bew.	+ 0.01	— 0.3
Refr.....	+ 0.01	+ 0.6
Undina..	12 11 22.44	+13 33 15.7
Im Mittel.	12 11 23.25	+13 33 12.9
Log. F. Par.	8.117	9.761

Comet 1870. I.

Entdeckt von Winnecke und Tempel am 29. Mai 1870.

Comet —			Stern —		
18 13	39.0	48.5	18 14	41.3	55.4
15	49.0	35.8	16	17.2	2.3
16	48.0	57.0	17	50.2	3.4
18	56.2	43.0	19	24.3	10.7
19	52.2	2.0	20	55.2	8.6
22	0.1	48.0	22	29.1	14.4
Comet +			**Stern +**		
18 25	33.0	49.0	18 26	5.8	15.2
27	16.1	0.0	28	14.8	5.3
28	42.8	58.0	29	14.1	23.2
30	25.0	9.0	31	23.3	13.9
31	52.8	6.5	32	24.3	34.2
33	35.0	18.4	34	34.3	25.0

1871. 30. Mai. ☾

Differenz (Com. — St.).

— 0m 45.s98	} + 3′ 59.″4
46.10	
46.25	
45.75	} + 3′ 51.7
44.92	
46.28	
— 0 45.88	+ 3 55.5
Corr. Uhrg. + 0.01	

Stern.

Lal. 1633	0h50m50.s49	+25°49′21.″0	(E. 1800.9)
W. II. 1284	51.36	16.2	(E. 1828.9)
B. D. 159	51.09	12.3	(E. 1868.0)

Bloss B. D. benützt und in Declination eine jährliche Eigenbewegung $\Delta\delta = -0.''129$ angenommen.

	h	m	s
Mittel der Zeit........	18	23	41.8
Correct. der Uhr ...	+	0	3.5
Sternzeit.............	18	23	45.3
Mittlere Wien. Zeit ...	13	50	28.7

Comet —				Stern 1 +			
h	m	s	s	h	m	s	s
18	52	38.0	52.5	18	51	39.0	50.1
	54	21.3	5.0		53	35.0	24.6
	56	28.5	42.3		55	27.8	37.3
	58	9.8	54.6		57	25.2	14.5
	59	41.4	58.0		58	40.8	50.5
	61	23.0	6.2		60	38.0	27.8
19	2	56.0	11.7	19	1	53.5	4.0
	4	36.1	18.0		3	51.0	40.8

Comet +				Stern 2 —			
19	11	16.0	28.0	19	7	4.5	16.4
	13	15.2	2.5		8	43.0	31.1
	18	1.3	14.0		13	51.5	3.2
	20	3.6	50.7		15	29.4	16.8
	24	40.5	53.4		20	31.0	43.5
	26	43.4	29.8		22	7.4	54.3

	h	m	s
Mittel der Zeit	19	8	23.1
Correct. der Uhr	+		27.7
Sternzeit.............	19	9	0.8
Mittlere Wiener Zeit ..	4	6	0.4

1870.0	$0^h 50^m 51.^s09$	$+28^\circ 49'$	$11.''6$
Reduct. .—	0.44	—	10.2
Differ. ..—	45.87	+ 3	55.5
eig. Bew.	0.00	—	0.2
Refr.....—	0.05	+	0.4
Comet ..	0 50 4.73	+28 52	57.1
Log. F. Par.	8.702_n		9.839

1870. 8. Juni. ☿

Differenz (Com. — St. 1).

$$\left.\begin{array}{r} +0^m\ 52.^s07 \\ 52.60 \\ 52.87 \\ 53.12 \end{array}\right\} -22'\ 16.''6$$

$$+0\ \ 52.66$$

Corr. Uhrgang. + 0.01.

Differenz (Com. — St. 2).

$$\left.\begin{array}{r} +4^m\ 21.68 \\ 22.17 \\ 22.73 \end{array}\right\} +21'\ 59.''2$$

$$+4\ \ 22.19$$

Corr. Uhrgang. + 0.05.

Stern 1. B. D. 187

1870.0	$1^h\ 0^m\ 32.^s49$	$+26^\circ\ 38'$	$14.''4$
Reduct. .—	0.21	—	8.7
Differ. ..+	52.67	— 22	16.6
eig. Bew.+	0.06	—	0.3
Refr.....+	0.22	—	1.9
Comet ..	1 1 25.23	+26 15	46.9

Stern 2.

Lal.1815 0	57 5.74	+ 25 53	22.5
W. II. 1421 ..	5.77		18.7

$$\text{Angen.}\ \frac{L + 2\ W}{3}$$

1870.0	$0^h 57^m\ 5.^s76$	$+25^\circ\ 53'$	$20.''0$
Reduct. .—	0.20	—	8.5
Differ. ..+	4 22.24	+ 21	59.2
eig. Bew.—	0.05	+	0.9
Refr.....—	0.21	+	1.8
Comet ..	1 1 27.54	+26 15	13.4
Im Mittel	1 1 26.38	+26 15	30.2
Log. F. Par.	8.695_n		9.820

Comet −				Stern 1 +			
h	m	s	s	h	m	s	s
18	49	22.2	34.0	18	51	36.5	45.0
	51	13.5	1.3		53	36.2	27.9
	54	10.2	23.2		56	21.4	29.8
	55	57.2	44.0		58	22.8	14.2
	58	58.0	11.0	19	1	6.0	14.0
	60	42.0	28.5		3	8.0	0.2

Comet +				Stern 2 −			
19	11	54.0	5.5	19	12	37.2	47.8
	13	46.0	35.0		14	21.8	11.8
	14	48.4	59.2		15	33.0	43.0
	16	43.0	31.2		17	16.2	6.1
	17	58.0	9.0		18	37.3	47.0
	19	48.8	35.0		20	25.8	16.0

	h	m	s
Mittel der Zeit	19	5	26.6
Correct. der Uhr......	+	1	12.0
Sternzeit.....	19	6	38.6
Mittlere Wien. Zeit ...	13	2	48.9

1870. 22. Juni ☿

Differenz (Com. — St. 1).

—2m	18.65	}	—19′	6.″7
	18.40			
	17.18			
—2	18.08			
Corr. Uhrg.	— 0.01			

Differenz (Com. — St. 2).

— 0m	39.52	}	+ 21′ 51.″0
	39.13		
	38.82		
— 0	39.16		

Stern 1.

Lal. 2839	1 27 44.37	+	19 30 28.6
W. II.. 595	43.93		30.1

ang. $\frac{\text{L.} + 2\ \text{W.}}{3}$

1870.0	1h 27m 44.s07	+	19° 30′ 29.″6
Reduct. . +	0.06	—	4.8
Differ. ..—	2 18.09	—	19 6.7
eig. Bew. +	0.10	—	1.1
Refr..... +	0.71	—	5.9
Comet...	1 25 26.85	+	19 11 11.1

Stern 2. B. D. 203.

1870.0	1h 26m 8.s69	+	18° 49′ 29″.1
Reduct. . +	0.10	—	4.5
Differ. ..—	39.16	+	21 51.0
eig. Bew. —	0.10	+	1.1
Refr. ...—	0.47	+	3.9
Comet ..	1 25 29.66	+	19 11 20.6
Im Mittel	1 25 27.95	+	19 11 15.8
Log. F. Par.	8.670_n		9.860

Comet —				Stern —			
20	32	28.5	40.0	20	28	33.3	41.0
	34	24.0	14.5		30	29.6	22.0

Comet +				Stern +			
21	5	32.0	44.0	21	1	45.2	56.2
	7	28.0	15.5		3	17.0	6.5

1870. 29. Juni. ☿

Differenz (Com. — St.)

+ 3m	55.s28	—	0′ 37.″3
	58.65	—	2 59.8
+ 3	56.96	—	1 48.5
Corr. Uhrg.	+ 0.02		

	h	m	s
Mittel der Zeit	20	49	57.7
Correct. der Uhr	+	2	54.1
Sternzeit	20	52	51.8
Mittlere Wien. Zeit	14	21	13.3

Stern. Weisse I. 716

1870.0	1h	40m	39.s97	+12°	32'	27."1
Reduct.	+		0.18	—		1.4
Differ.	+	3	56.98	—	1	48.5
eig. Bew.			0.00			0.0
Refr.			0.03			0.0
Comet	1	44	37.13	+12	30	37.2
Log. F. Par.			8.638n			9.835

Comet 1870. II.

Entdeckt von Coggia am 28. August 1870.

Comet +				Stern 1 —			
h	m	s	s	h	m	s	s
21	39	29.2	38.0	21	39	10.0	19.2
	41	30.5	19.5		41	4.5	54.8
	42	28.5	39.0		42	8 3	17.8
	44	27.0	16.0		44	3.4	53.4
	45	36.1	46.0		45	16.1	25.0
	47	34.1	23.8		47	10.2	1.4

Comet —				Stern 2 +			
21	48	47.2	59.0	21	49	35.8	49.0
	50	26.8	12.5		51	6.8	54.0
	52	48.7	2.0		53	38.8	51.8
	54	28.7	16.0		55	11.0	58.4
	55	13.6	25.8		56	5.4	18.3
	56	55.0	40.8		57	37.0	24.8

	h	m	s
Mittel der Zeit	21	47	58.7
Correct. der Uhr	+	1	20.0
Sternzeit	21	49	18.7
Mittlere Wien. Zeit	9	36	27.2

1870. 24. September. ♄

Differenz (Com. — St. 1).

+ 0m 22.s17		
21.90		+19' 12."6
21.82		
+ 0 21.96		

Differenz (Com. — St. 2).

— 0m 45.s02	
46.15	—24' 37."5
47.58	
— 0 46.25	

Stern 1. Lal. 2046.

1870.0	1h	2m	37.s91	+23°	6'	9."1
Reduct.	+		2.64	+		12.9
Differ.	+		21.96	+	19	12.6
eig. Bew.	+		0.08	—		2.4
Refr.	—		0.02	+		0.5
Comet	1	3	2.57	+23	25	32.7

Stern 2. B. D. 154.

1870.0	1h	3m	43.s77	+23°	59'	4."7
Reduct.	+		2.65	+		12.7
Differ.	—		46.25	—	24	37.5
eig. Bew.	—		0.10	+		4 8
Refr.	+		0.03	—		0.6
Comet	1	3	0.10	+23	25	44.1
Im Mittel	1	3	1.34	+23	25	38.4
Log. F. Par.			8.559n			9.706

Comet — h m s	s	Stern — h m s	s
20 48 33.7	43.0	20 45 29.7	43.2
50 25.0	12.4	47 3.2	50.0
54 4.6	17.0	51 4.6	17.3
55 59.5	46.2	52 38.2	24.3
59 35.2	47.0	56 37.8	50.2
61 32.5	18.3	58 12.0	57.2

Comet +		Stern +	
21 6 7.4	21.5	21 2 51.2	0.1
7 48.2	33.8	4 50.0	40.2
18 8.0	24.0	14 55.0	5.3
19 46.2	30.5	16 54.0	43.9
23 34.5	50.0	20 22.8	33.0
25 12.0	57.5	22 20.8	11.0

	h m s
Mittel der Zeit	21 5 55.3
Correct. der Uhr	+ 1 44.6
Sternzeit.............	21 7 39.9
Mittlere Wien. Zeit ...	8 38 11.4

1870. 28. September. ☿

Differenz (Com. — St.).

+ 3m	12.s00			
	10.73	+ 2'	9."8	
	8.95			
	7.35			
	2.63	+ 2'	40."9	
	1.60			
+ 3	7.21	+ 2	25.3	
Corr. Uhrg. +	0.03			

Stern. Weisse II. 790.

1870.0	0^h 31m 29.s13	+ 25° 42' 58."5	
Reduct. .	+ 2.71	+ 14.8	
Differ. ..	+ 3 7.24	+ 2 25.3	
eig. Bew.	+ 0.01	+ 0.8	
Refr. ...	0.00	+ 0.1	
Comet..	0 34 39.09	+ 25 45 39.5	
Log. F. Par.	8.586_n	9.692	

Comet + h m s	s	Stern 1 — h m s	s
21 38 45.8	59.5	21 40 10.0	23.0
40 32.5	17.2	41 52.8	41.6
42 53.7	8.2	44 21.0	33.5
44 41.0	27.2	46 3.0	51.0
46 35.8	49.2	48 2.9	13.8
48 20.7	7.0	49 44.7	32.9
50 14.6	26.8	51 41.4	53.3
51 59.0	44.8	53 24.2	12.5

Comet —		Stern 2 +	
21 55 20.8	33.0	21 56 8.3	18.9
57 16.8	4.3	58 3.0	52.9
58 49.2	0.1	59 37.2	48.1
60 45.2	33.4	61 32.0	21.8
22 1 53.0	4.9	22 2 42.4	54.0
3 48.3	36.4	4 37.2	26.9
5 4.0	15.2	5 54.5	5.3
7 1.3	48.2	7 49.0	38.2

	h m s
Mittel der Zeit	21 53 22.4
Correct. der Uhr	+ 2 19.9
Sternzeit.............	21 55 42.3
Mittlere Wien. Zeit ...	9 18 14.1

1870. 30. September. ♀

Differenz (Com. — St. 1).

— 1m	23.s10		
	24.58	+ 23' 32."0	
	25.40		
	26.55		
— 1	24.91		
Corr. Uhrg. —	0.01		

Differenz (Com. — St. 2).

— 0m	47.s05		
	47.80	— 20' 49."2	
	49.48		
	49.57		
— 0	48.47		
Corr. Uhrg. —	0.01		

Stern 1. Wien. Mikr. Vgl.

1870.0	0^h 21m 12.s23	+ 26° 22' 34."1
Reduct. .	+ 2.72	+ 15.6
Differ. ..	— 1 24.92	+ 23 32.0
eig. Bew.	+ 0.08	— 2.8
Refr. ...	— 0.02	+ 0.5
Comet...	0 19 50.09	+ 26 46 19.4

Stern 2. B. D. 61.

1870.0	$0^h 20^m 31.^s01$		$+27°$	$7'$	$16.''9$
Reduct...	+	2.74	+		15.6
Differ. ..	—	48.48	—	20	49.2
eig. Bew.	—	0.07	+		4.1
Refr.....	+	0.01	—		0.4
Comet ..	0 19	45 21	+26	46	47.0
Im Mittel	0 19	47.65	+26	46	33.2
Log. F. Par.		8.465_n			9.627

1870. 3. October. ☾

Comet — h m s	s	Stern — h m s	s
21 37 22.8	34.5	21 40 13.2	25.1
39 19 0	5.8	41 56.8	44.7
43 6.8	18.5	45 59.0	11.1
45 4.2	50.3	47 42.8	30.2
48 15.0	27.0	51 9.0	21.2
50 13.0	0.9	52 53.9	41.7
53 18.2	30.0	56 14.2	26.3
55 17.0	5.4	57 58.9	46 9

Comet +		Stern +	
21 58 59.7	13.2	22 1 44.9	55.3
60 46.0	32.5	3 43.0	32 5
22 8 38.0	50.3	11 24.4	34.5
10 20.5	7.5	13 22.8	12.2
13 50.0	4.5	16 38.9	49.2
15 33.3	18.3	18 37.0	26.2
19 3.5	17.5	21 53.3	4.1
20 44.8	29.8	23 51.3	40 9

	h	m	s
Mittel der Zeit	21	58	44.3
Correct. der Uhr......	+	2	34.5
Sternzeit	22	1	18.8
Mittlere Wien. Zeit ...	9	12	1.9

Differenz (Com. — St.).

$-2^m\ 44.^s42$ 45.83 47.48 48.93	$+\ 1'\ 26.''1$
51.08 54.40 56.30 58.50	$+\ 1'\ 55.''6$
— 2 50.87	+ 1 40.8

Stern. Wien. Merid. Beob.

1870.0	0^h	$0^m 43.^s53$	$+27°$	$59'$	$13.''3$
Rednct. .	+	2.72	+		17.0
Differ. ..	—	2 50.87	+		1 40.8
eig. Bew.	+	0.01	+		0.8
Refr. ...		0.00			0.0
Comet...	23 57	55.39	+28		1 11.9
Log. F. Par.		8.389_n			9.586

1870. 5. October. ☿

Comet —		Stern 1 +	
21 31 14.5	26.0	21 30 15.6	26.2
33 19.5	7.2	32 12.9	3 0
35 24.0	36.5	34 26.3	36.5
37 29.8	17.0	36 23.0	13.4
38 53.5	5.0	37 56.5	6.8
40 59.0	46.0	39 53.1	42.3

Differenz (Com. — St. 1).

$+\ 1^m\ 2.^s38$ 2.02 1.23	$-19'\ 46.''3$
+ 1 1.88	

Comet +		Stern 2 —	
h m s	s	h m s	s
21 45 49.0	3 0	21 42 15.3	26.8
47 37.0	23 5	44 5.0	53.4
51 47.5	3.0	48 14.3	25.7
53 34.0	20.5	50 4.9	53.8
57 39.0	54.0	54 6.5	18.3
59 26.0	10.5	55 58.2	47.0

	h m s
Mittel der Zeit	21 44 26.0
Correct. der Uhr	+ 2 10.1
Sternzeit	21 46 36.1
Mittlere Wien. Zeit ...	8 49 29.8

Differenz (Com. — St. 2.).

$$\left.\begin{array}{r} +3^m\ 33.^s00 \\ 31.57 \\ 29.88 \end{array}\right\} +22'\ 55.''0$$

+ 3 31.48

Corr. Uhrg. 0·04

Stern 1. Wien. Mikr. Vgl.

1870.0	$23^h 42^m$	$43.^s56$	+	$28°59'29.''5$
Reduct...	+	2.68	+	$18.''1$
Differ....	+ 1	1.89	—	19 46.3
eig. Bew.	—	0.04	+	4.9
Refr.....	—	0.01	—	0.4
Comet..	23 43	48.08	+	28 40 5.8

Stern 2. Weisse II. 848.

1870.0	$23^h 40^m$	$9.^s10$	+	$28°\ 16'\ 58.''3$
Reduct. .	+	2.66	+	18.2
Differ. ..	+ 3	31.52	+	22 55.0
eig. Bew.	+	0.05	—	2.7
Refr.....	—	0.01	+	0.5
Comet...	23 43	43.32	+	28 40 9.3
Im Mittel	23 43	45.70	+	28 40 7.4
Log. F. Par.		8.397_n		9.575

Comet +		Stern +	
22 52 52.5	7.5	22 51 24.2	34.2
54 46 0	31.4	53 24.3	14.0
56 47.0	3 2	55 18.3	28.7
58 39.5	24.7	57 18.5	8.2

Comet —		Stern —	
23 4 0.2	13.5	23 2 43.5	54.8
6 7.0	54.5	4 38.3	27.6
8 0.8	10.4	6 45.2	56.0
10 8.0	57.5	8 39.5	28.3
11 58.2	9.2	10 42.4	54.1
14 3.5	51.4	12 36.8	25.6

	h m s
Mittel der Zeit . ..	23 2 24.7
Correct. der Uhr	+ 5 0.0
Sternzeit............	23 7 24.7
Mittlere Wien. Zeit....	9 26 49.9

1870. 16. October. ☉

Differenz (Com. — St.).

$$\left.\begin{array}{r} +1^m\ 23.^s17 \\ 25.17 \end{array}\right\} +1'\ 17.''4$$

$$\left.\begin{array}{r} 22.75 \\ 21.93 \\ 20.85 \end{array}\right\} +1\ \ 27.3$$

+ 1 23.17 + 1 22.4

Corr. Uhrg. + 0.02.

Stern. Wien. Mikr. Vgl.

1870.0	$22^h 34^m$	$7.^s19$	+	$30°\ 6'\ 41.''0$
Reduct...	+	2.27	+	22.2
Differ....	+ 1	23.19	+	1 22.4
eig. Bew.		0.00		0 7
Refr.....		0.00		0.0
Comet .	22 35	32.65	+	30 8 26.3
Log. F. Par.		7.851		9.497

Comet + h	m	s	s	Stern + h	m	s	s
22	29	58.5	12.5	22	33	20.3	31.9
	31	55.5	41.0		35	8.3	56.2
	42	9.5	27.5		45	34.3	46.7
	44	5.5	49.8		47	20.2	7.7
	47	52.8	7.5		51	19.0	31.5
	49	48.0	32.8		53	4.2	51.4

Comet — h	m	s	s	Stern — h	m	s	s
22	53	58.0	12.0	22	57	19.0	30.1
	55	53.5	38.3		59	18.0	6.9
	59	54.5	7.0	23	3	15.1	25.8
	61	47.5	33.0		5	13.8	3.0
23	5	47.5	0.2		9	9.7	20.2
	7	41.5	24.8		11	8.0	57.2

	h	m	s
Mittel der Zeit	22	50	54.1
Correct. der Uhr	+	5	39.1
Sternzeit........	22	56	33.2
Mittlere Wien. Zeit ...	9	8	8.7

1870. 18. October. ♂

Differenz (Com. — St.).

α	δ
— 3m 17.s30	
19.13	— 0′ 43.″2
21.25	
23.18	
23.92	— 0 56.2
25.28	
— 3 21.68	— 0 49.7

Corr. Uhrg. + 0.04

Stern.

	α	δ
Lal... 44151	22h 29m 0.s29	+ 30° 7′ 58.″6
R.... 10399	0.72	8 0.4

ang.: $= \frac{2\,R + L}{3}$

	α	δ
1870.0	22h 29m 0.s57	+ 30° 7′ 59.″8
Reduct. .	+ 2.23	+ 22.6
Differ. ..	— 3 21.72	— 0 49.7
eig. Bew.	0.00	— 0.2
Refr.....	0.00	0.0
Comet...	22 25 41.08	+ 30 7 32.5
Log. F. Par	7.832	9.498

Comet — h	m	s	s	Stern — h	m	s	s
22	42	21.0	31.5	22	39	17.2	28.2
	44	31.0	19.5		41	10.4	59.3
	48	11.2	22.4		45	9.0	20.0
	50	21.5	10.5		47	2.7	51.8
	53	55.8	7.0		50	54.2	5.2
	56	7.0	55.0		52	49.0	37.4

Comet + h	m	s	s	Stern + h	m	s	s
23	0	21.0	37.5	22	57	7.8	15.2
	2	7.5	51.5		59	7.8	57.7
	6	9.0	26.0	23	2	54.3	5.0
	7	55.5	37.5		4	56.0	46.0
	11	44.5	0.3		8	29.3	39.5
	13	29.5	12.8		10	30.3	19.5

	h	m	s
Mittel der Zeit	22	58	6.1
Correct. der Uhr	+	6	54.2
Sternzeit........	23	5	0.3
Mittlere Wien. Zeit....	9	0	50.8

1870. 22. October. ♃

Differenz (Com. — St.).

α	δ
+ 3m 11.s97	
10.53	+ 2′ 10.″5
9.75	
8.00	
6.68	+ 2 17.7
7.03	
+ 3 8.99	+ 2 14.1

Corr. Uhrg. + 0.04

Stern.

	α	δ
P. XXII. 102	22h 4m 59.s80	+ 29° 54′ 54.″3
W. II. 98u. 99	59.31	54.1
Tayl.. 10297	59.78	53.4
Rümk...9907	59.52	51.0
Rob.. .4856	59.68	53.8

ang.: $\frac{P + W + T + Rk + Rob.}{5}$

	α	δ
1870.0	22h 4m 59.s62	+ 29° 54′ 53.″3
Reduct. .	+ 2.01	+ 23.2
Differ. .	+ 3 9.03	+ 2 14.1
eig. Bew.	0.00	+ 1.2
Refr.....	0.00	0.0
Comet...	22 8 10.66	+ 29 57 31.8
Log. F. Par.	8.094	9.510

Comet +		Stern +	
h m s	s	h m s	s
1 33 54.5	10.0	1 30 17.3	28.9
35 48.0	33.5	32 8 0	57.0
55 17.5	33.0	51 42.6	54.6
57 8.5	52.0	53 30.5	18.4
2 1 24.0	37.5	57 50.3	2.5
3 ...	58.5	59 37.3	25.1
7 27.5	42.5	2 3 54.3	6.6
9 14.5	0.5	5 40.3	28.0

	h m s
Mittel der Zeit	1 55 25.9
Correct. der Uhr	+ 8 33.8
Sternzeit	2 3 59.7
Mittlere Wien. Zeit ...	11 39 41.3

Eintretende Bewölkung hinderte die weitere Beobachtung.

1870. 27. October. 2\u0336

Differenz (Com. — St.).

$$\left.\begin{array}{r} +3^m\ 38.^s70 \\ 36.23 \\ 34.20 \\ 33.95 \end{array}\right\} +0'\quad 1.''2$$

+3 35.77

Corr. Uhrg. + 0.05.

Stern.

Lal. 42660	21h 46m 21.s07	+29° 34' 57."2
W. II.1113	21.21	55.5

ang.: $\frac{L + 2W}{3}$

1870.0	21h 46m 21.s16	+29° 34' 56."1
Reduct. .	+ 1.78	+ 23.6
Differ. .	+ 3 35.82	+ 0 1.2
eig. Bew.	— 0.01	— 1.2
Refr.....	0.00	0.0
Comet...	21 49 58.75	+29 35 19.7
Log. F. Par.	8.660	9.700

Comet —		Stern 1 +	
22 15 27.5	40.5	22 16 20.3	28.8
17 24.3	6.5	18 32.0	23.2
19 23.5	40.0	20 19.1	28.0
21 23.0	10.0	22 31.8	22.9
23 2.5	16.0	23 54.7	3.4
24 58.0	43.0	26 6.8	58.0

Comet +		Stern 2 —	
22 27 19.0	34.5	22 30 55.0	9.0
29 17.5	4.0	32 30.8	17.0
35 16 0	32.5	38 53.5	6.3
37 17.0	3.0	40 30.0	16.3
43 45.0	58.5	47 21.2	34.0
45 43.0	30.5	48 59.2	46.0

	h m s
Mittel der Zeit	22 28 21.6
Correct. der Uhr	+ 14 16.6
Sternzeit	22 42 38.2
Mittlere Wien. Zeit ...	7 12 2.3

1870. 13. November. ☉

Differenz (Com. — St. 1).

$$\left.\begin{array}{r} -1^m\ 1.^s38 \\ 0.32 \\ 0.85 \end{array}\right\} -18'\quad 33.''5$$

— 1 0.85

Corr. Uhrg. — 0.01

Differenz (Com. — St. 2).

$$\left.\begin{array}{r} -3^m\ 24.^s20 \\ 24.40 \\ 25.45 \end{array}\right\} +23'\quad 9.''1$$

— 3 24.66

Corr. Uhrg. — 0.05

Stern 1. Wien. Mikr. Vgl.

1870.0	21h 15m 47.s73	+ 28° 36' 40."2
Reduct. .	+ 1.24	+ 22.9
Differ. ..	— 1 0.86	— 18 33.5
eig. Bew.	+ 0.01	+ 0.6
Refr.....	— 0.01	— 0.4
Comet ...	21 14 48.11	+ 28 18 29.8

Comet —				Stern 1 +			
h	m	s	s	h	m	s	s
0	47	24.5	36.5	0	46	50.6	1.8
	49	33.0	21.0		48	42.5	31.3
	50	42.5	54.0		50	9.0	20.3
	52	52.0	41.5		51	59.2	47.8
	53	52.5	3.0		53	33.3	44.3
	56	9.0	58.0		55	7.8	54.8
	58	3.0	14.5		57	39.5	54.0
	60	18.0	7.2		59	18.2	4.3

Comet +				Stern 2 —			
1	10	27.0	39.5	1	11	44.0	55.1
	12	11.0	58.0		13	38.2	27.0
	14	3.0	15.5		15	19.0	29 4
	15	45.0	34.5		17	13.8	3.4
	17	47.5	0.0		19	3.7	14.5
	19	29.0	15.5		20	58.8	48.5
	21	27.0	40.5		22	44.8	55.0
	23	10.5	58.5		24	40.4	30.0

		h	m	s
Mittel der Zeit		1	5	12.2
Correct. der Uhr	+	16	51.4	
Sternzeit		1	22	3.6
Mittlere Wien. Zeit ...		9	23	30.2

Stern 2

Lal 41634	21h 18m 10.s64		+27° 54′ 52.″0	
Weisse II. 423	10.40		56.6	

ang.: $\frac{L + 3\ W}{4}$

1870.0		21h 18m 10.s46	+27°	54′ 55.″4
Reduct.	+	1.27	+	22.8
Differ. ..	—	3 24.71	+	23 9.1
eig. Bew.	—	0.01	—	0.7
Refr. ...		0 00	+	0.5
Comet ..		21 14 47.01	+28	18 27.1
Im Mittel		21 14 47.56	+28	18 28.4
Log. F. Par.		8.275		9.536

1870. 20. November. ⊙

Differenz (Com. — St. 1).

+ 0m 42.s20
43.17
40.52
41.68
} —19′ 45.″1

+ 0 41.89
Corr. Uhrg. + 0.01

Differenz (Com. — St. 2).

— 1m 22.s20
21.90
23 25
23.55
} +22′ 27.″4

— 1 22.72
Corr Uhrg. — 0.02

Stern. 1. Wien. Mikr. Vgl.

1870.0		21h 6m 53.s41	+28°	19′ 40.5
Reduct.	+	1.05	+	22.1
Differ. ..	+	41.90	—	19 45.1
eig. Bew.		0.00	+	0.8
Refr.	—	0.03	—	0.5
Comet....		21 7 36.33	+28	0 17.8

Stern 2.

Lal. 41277(8)	21h 8m 56.s14	+27° 37′ 0.″8
Weisse II 179	55.88	4.5

Angen.: $\frac{L + 2\ W}{3}$

1870.0	21^h	8^m	55.^{s}97	+27°	37′	3.″3
Reduct. .	+		1.08	+		21.0
Differ. ..	—	1	22.74	—	22	27.4
eig. Bew.	—		0.01	—		0.3
Refr....	+		0.05	+		0.7
Comet...	21	7	34.35	+27	59	53.1
Im Mittel.	21	7	35.34	+28	0	5.5
Log. F. Par.			8.654			9.716

Comet —				Stern —			
h	m	s	s	h	m	s	s
23	46	39.0	50.5	23	46	8.3	21.8
	48	44.5	33.0		47	46.0	32.5
	49	50.5	2.0		49	20.3	33.7
	51	56.5	45.0		50	59.7	47.2
	53	5.0	17.0		52	34.3	47.5
	55	12.5	0.5		54	14.5	1.3
	56	18.5	30.5		55	48.2	1.3
	58	26.5	14.5		57	28.5	16.4
Comet +				**Stern +**			
0	3	58.0	13.0	0	2	4.2	13.0
	5	46.5	30.5		4	11.7	2.3
	6	19.0	34.0		5	24.0	33.2
	8	2.5	47.5		7	31.2	21.0
	9	46.0	0.5		8	50.8	0.0
	11	29.0	14.0		10	57.5	48.4
	13	1.5	16.0		12	6.3	15.8
	14	46.0	30.5		14	13.2	3.8

	h	m	s
Mittel der Zeit	0	0	50.0
Correct. der Uhr	+	17	35.7
Sternzeit	0	18	45.7
Mittlere Wien. Zeit ...	8	12	10.9

1870. 22. November. ♂

Differenz (Com. — St.).

+0^m 44.^{s}60		
43.27		
44.35	+ 3′	16.″2
43.90		
44.20		
43.40		
43.20	+ 2′	51.″5
44.72		
+ 0 43.96	+ 3	3.8
Corr Uhrg. + 0.01		

Stern. Wien. Mikr. Vgl.

1870.0	21^h	5^m	23.^{s}26	+27°52′		56.″2
Reduct. .	+		1.01	+		21.8
Differ. ..	+		43.97	+	3	3.8
eig Bew.			0.00	+		0.1
Refr. ...			0.00	+		0.1
Comet...	21	6	8.24	+27	56	22.0
Log. F. Par.			8 573			9.653

Comet —				Stern —			
23	29	32.5	44.0	23	30	6.3	18.3
	31	24.0	9.5		31	48.5	36.3
	33	15.0	27.5		33	50.2	2.3
	35	8.5	55.5		35	33.4	21.3
	36	27.5	39.0		37	2.3	14.5
	38	17.0	3.5		38	43.4	31.9
	39	30.0	44.5		40	7.0	19.3
	41	23.5	9.5		41	48.6	36.0

1870. 24. November. ♃

Differenz (Com. — St.).

− 0^m 29.^{s}85		
30.17		
31.28	+ 0′	54.″3
30.85		
30.80		
27.82		
30.50	+ 0	38.4
32.75		
− 0 30.50	+ 0	46.3

Comet + h m s	s	Stern + h m s	s
23 42 59.0	14.0	23 43 28.3	40.0
44 52.5	36.0	45 24.3	12.1
46 2.5	17.0	46 31.5	42.0
47 56.0	41.0	48 22.8	11.5
49 22.0	37.5	49 50.8	2.3
51 8.0	50.0	51 39.0	27.4
53 20.5	36.5	53 51.0	3.0
55 4.5	47.0	55 38.3	27.2

	h m s
Mittel der Zeit	23 42 9.7
Correct. der Uhr	+ 18 20.8
Sternzeit	0 0 30.5
Mittlere Wien. Zeit	7 46 26.9

Stern = Stern vom 22. Nov.

1870.0	21h 5m 23.s26	+	27° 52′	56.″2
Reduct. .	+ 0.97	+		21.6
Differ. ..	— 30.50	+	0	46.3
eig. Bew.	0.00	+		0.3
Refr.	0.00			0.0
Comet...	21 4 53.73	+	27 54	4.4
Log. F. Par.	8.540			9.637

Comet 1870. IV.

Entdeckt von Winnecke am 23. November 1870.

Comet + h m s	s	Stern + h m s	s
8 24 10.5	21.0	8 20 24.1	33.3
26 4.5	53.0	21 57.3	46.8
30 47.0	58.0	26 56.3	6.0
32 43.0	31.5	28 31.1	20.6
37 12.0	22.5	33 15.2	25.2
39 9.5	57.5	34 51.8	41.4
Comet —		**Stern —**	
8 44 34.5	48.0	8 40 17.2	26.2
46 10.0	55.5	42 8.0	59.5
51 22.5	26.5	46 57.4	6.0
52 53.0	37.0	48 45.8	37.3
57 56.0	10.0	53 26.2	34.3
59 25.5	10.0	55 14.0	5.3

	h m s
Mittel der Zeit	8 41 52.1
Correct. der Uhr	+ 18 30.0
Sternzeit	9 0 22.1
Mittlere Wien. Zeit	16 44 50.0

1870. 24. November. ♃

Differenz (Com. — St.).

+3m 56.s88	
4 1.38	— 2′ 57.″3
4 6.97	
4 9.28	
4 15.62	— 2 44.8
4 20.42	
+4 8.42	— 2 51.1
Corr. Uhrg. + 0.07	

Stern. Weisse I. 891.

1870.0	12h53m 2.s60	—	3° 43′ 40.″0
Reduct. .	+ 0.84	—	5.3
Differ....	+ 4 8.49	—	2 51.1
eig. Bew.	+ 0.01	+	4.0
Refr.....	+ 0.03	—	0.3
Comet...	12 57 19.42	—	3 46 33.6
Log. F. Par.	8.583n		9.884

Comet 1871. I.

Entdeckt von Winnecke am 7. April 1871.

Comet —		Stern —	
h m s	s	h m s	s
10 9 47.5	4.0	10 11 40.2	53.4
12 36.5	19.0	14 37.7	24.0
14 56.5	12.5	16 48.0	1.2
17 45.0	27.5	19 45.4	32.0
20 9.0	25.0	21 58.6	11.4
22 56.5	39.0	24 56.2	42.4
Comet +		**Stern +**	
10 30 47.0	2.5	10 32 49.2	5.0
33 37.5	22.0	35 19.4	3.3
35 40.5	56.5	37 42 4	58.5
38 31.5	15.0	40 12.1	55.5
40 26.5	42.0	42 28.2	44.1
43 18.5	2.0	44 57.5	39.6

	h	m	s
Mittel der Zeit.......	10	26	42.5
Correct. der Uhr.....	+	0	33.9
Sternzeit.............	10	27	16.4
Mittlere Wien. Zeit ...	9	8	54.5

1871. 11. April. ♂

Differenz (Com. — St.).

— 1m 57.s07	
56.28	— 1′ 10.″0
54.77	
51.97	
51.25	— 1 24.1
50.05	
— 1 53.56	— 1 17.1

Stern.

Lal.. 5349	2h. 48m	12.s34	+51°58′ 50.″3
Groombr. 586		12.55	41.7
A. Oe...3302		12.54	40.6
Radcl.I.. 837		12.43	41.1
Berl.Mer.Beob.		12.49	40.4

angen. $\frac{\text{Rad.} + \text{Berl.}}{2}$

1871.0	2h48m	12.s46	+51° 58′ 40.″7
Reduct. .	—	2.27	— 1.2
Differ....—	1	53.56	— 1 17.1
eig. Bew.		0.00	+ 0.1
Refr.....		0.00	+ 0.0
Comet..	2 46	16.63	+ 51 57 22.5
Log. F. Par.		8.815	9.834

Comet —		Stern —	
11 17 55.5	11.5	11 17 35.0	49.8
20 33.5	15.0	20 22.1	7.3
21 14.0	31.5	20 53.0	7.3
23 52.0	34.0	23 40.2	26.0
24 36.5	53.5	24 13.4	28.3
27 14.5	55.5	27 2.0	47.3
28 4.0	21.0	27 39.6	54.2
30· 40.5	23.0	30 28.3	14.0
Comet +		**Stern +**	
11 32 1.0	19.0	11 31 52.5	10.3
34 46.0	29.0	34 17.3	0.3
35 17.0	35.5	35 8.0	26.2
38 2.0	45.0	37 32.3	14.6
38 43 0	0.5	38 32.2	51.8
41 27.0	10.0	40 56.3	38.2
42 3.5	22.0	41 54.4	12.8
44 48.5	31.0	44 17.2	58.9

1871. 12. April ☿

Differenz (Com. — St.).

+ 0m 15.s32	
16.25	— 1′ 3.″9
17.25	
18.10	
18.65	
19 60	— 1 32.7
20.50	
20.43	
+ 0 18.28	— 1 18.3

	h	m	s
Mittel der Zeit	11	31	21.1
Correct. der Uhr	+	0	35.5
Sternzeit	11	31	56.6
Mittlere Wien Zeit ...	10	9	28.2

Comet —		Stern —	
h m s	s	h m s	s
10 11 2.5	19.0	10 12 14.2	26.3
13 40.5	24.5	15 12.4	0.6
15 32.5	49.0	16 42.3	55.7
17 10.0	54.0	19 42.4	26.6
20 0.5	18.0	21 9.2	22.0
22 37.5	21.0	24 9.2	56.3

Comet +		Stern +	
10 24 59.0	12.5	10 26 34 0	49.8
27 59.0	44.5	29 3.8	47.3
29 34.0	47.0	31 8.0	23.7
32 32 5	18.5	33 36.0	20.0
33 59.5	12.5	35 33.5	49.4
36 58.0	44.5	38 0.8	44.7
38 22.0	35.0	39 55.2	11.0
41 21.0	7.5	42 22 0	5.9

	h	m	s
Mittel der Zeit	10	26	7.7
Correct. der Uhr	+	0	36.9
Sternzeit	10	26	44.6
Mittlere Wien. Zeit ...	8	56	35.0

Comet —		Stern —	
13 45 30.0	46.0	13 49 59.2	12.2
48 4 0	46.0	52 48.0	35.0
54 32.0	47.5	59 0.9	13.2
57 7.0	49.0	61 52 0	38.2
14 8 21.0	39.5	14 12 46.2	59.2
10 54.5	37.6	15 37.8	24.7

	h	m	s
Mittel der Zeit	13	57	24.6
Correct. der Uhr	+	0	39.6
Sternzeit	13	58	4.2
Mittlere Wien. Zeit ...	12	19	28.2

Stern.

1871.0	2h 50m.7	+ 51° 26' ....
Reduct. .	— 2.s25	— 1."3
Differ. ..	+ 18.28	— 1 18.3
eig. Bew.	0.00	+ 0.2
Refr.	— 0.02	— 0.2
Comet .	.. ..	.. ..
Log. F. Par.	8.737	9.903

1871. 14. April. ♀

Differenz (Com. — St.).

— 1m 21.s70 21.13 19.92	— 2' 32."5
19.97 19.93 18.47 17.15	— 3 11.0
— 1 19.75	— 2 54.5

Stern.

Bonn 710	3h 1m 15.s86	+ 50° 26' 14."8
Berl. Mer.Beob.	16.06	13.2

ang.: $\frac{B + \text{Berl.}}{2}$

1871.0	3h 1m 15.s96	+ 50° 26' 14."0
Reduct.	— 2.19	— 1.2
Differ. ..	— 1 19.75	— 2 54.5
eig. Bew.	0.00	+ 1.8
Refr.	— 0.02	— 0.2
Comet ..	2 59 54.00	+ 50 23 19.8
Log. F. Par.	8.806	9.824

1871. 16. April. ☉

Differenz (Com. — St.).

+ 4m 37.s10 36.45 33.85	— 1' 54."1
— 4 35.80	

Stern. B. D. 911.

1871.0	3h 13m 51.s75	+ 49° 14' 59."2
Reduct. .	— 2.11	— 1.3
Differ. .	— 4 35.80	— 1 54.1
eig. Bew..	+ 0.17	— 2.1
Refr. ...	— 0.47	— 1.2
Comet ..	3 9 13.54	+ 49 13 0.5
Log. F. Par.	8.566	9.960

Comet — h	m	s	s	Stern — h	m	s	s
10	26	46.5	1.0	10	28	43.0	56.8
	29	21.5	8.0		31	7.2	52.8
	31	42.0	57.5		33	37.3	52.2
	34	17.0	2.5		36	1.3	47.0
	36	22.0	36.5		38	14.8	29.7
	38	54.0	40.5		40	40.1	25.0
	40	59.5	14.0		42	51.2	6.0
	43	33.0	19.0		45	17.3	3.4
Comet +				**Stern +**			
10	46	5.0	19.0	10	47	51.2	4.4
	48	37.5	23.9		50	26.2	12.8
	50	56.5	11.0		52	42.5	55.8
	53	29.5	14.0		55	16.3	3.2
	55	49.0	3.5		57	33.3	47.1
	58	21.0	5.0		59	6.5	52.9
11	0	24.0	39.0	11	2	8.6	22.9
	2	55.0	40.0		4	40.0	26.0

	h	m	s
Mittel der Zeit	10	44	54.5
Correct. der Uhr	+	0	41.9
Sternzeit	10	45	36.4
Mittlere Wien. Zeit ..	8	55	44.2

1871. 19. April. ☿

Differenz (Com. — St.).

— 1^m 50.^s70, 49.70, 49.15, 48.10	+ 0′ 49.″0
47.52, 46.70, 45.33, 44.87	+ 0 13.7
— 1 47.76	+ 0 31.3

Stern.

Groombr. 694	3^h 23^m 2.^s18	+ 47°34′ 55.″4
Taylor 1185	1.99	54.7
Rob 742	2.13	53.0
Radcl. 991...	2.20	50.8
Bai'y.. 1081	1.99	54.8
Mädler.. 483	2.31	51.7

Blos Mädler benützt.

1871.0	3^h 23^m 2.^s31	+ 47° 34′ 51.″7
Reduct. .	— 2.04	— 1.2
Differ. ..	— 1 47.76	+ 0 31.3
eig. Bew.	0.00	0.0
Refr. ...	0.00	0.0
Comet ..	3 21 12.51	+ 47 35 21.8
Log. F. Par.	8.789	9.834

Comet — h	m	s	s	Stern — h	m	s	s
12	10	44.5	1.0	12	9	28.9	42.7
	13	13.0	56.5		12	2.5	48.5
	14	52.0	9.0		13	35.7	49.0
	17	21.0	5.0		16	9.2	56.3
	19	0.5	16.0		17	42.4	55.2
	21	29.0	12.5		20	17.5	4.2
	23	8.5	25.0		21	50.5	2.9
	25	38.0	22.0		24	25.3	12.7
Comet +				**Stern +**			
12	27	38.0	53.0	12	26	30.0	45.7
	30	2.5	46.0		28	39.1	22.2
	31	35.0	51.0		30	26.1	42.3
	33	58.5	43.0		32	34.5	17.2
	35	27.5	43.0		34	19.0	35.5
	37	52.0	35.5		36	25.0	8.3
	39	32.0	48.0		38	23.2	39.5
	41	56.0	40.0		40	27.6	10.8

1871. 20. April. ♃

Differenz (Com. — St.).

+ 1^m 13.^s10, 14.25, 14.68, 15.52	— 0′ 47.″0
15.63, 16.85, 17.55, 18.72	— 1 19.2
+ 1 15.78	— 1 3.1

Stern.

Arg. Öltz. 3888.	3^h 24^m 18.^s28	+ 46°58′56.″2
Berl. Mer. Beob.	18.39	58.5

Blos Berl. Merid. Beob. benützt.

	h	m	s
Mittel der Zeit	12	26	28.0
Correct. der Uhr.	+	0	42.8
Sternzeit.....	12	27	10.8
Mittlere Wien. Zeit...	10	33	6.1

Comet — h m s	s	Stern — h m s	s
10 49 42.5	57.0	10 49 15.2	34.1
52 19.0	4.0	51 11.1	53.2
53 20.0	34.5	52 52.1	11.3
55 59.0	44.5	54 50.0	32.0
56 50.5	3.5	56 21.2	40.0
59 28.0	13.5	58 19.0	0.8
11 0 20.5	35.0	59 51.2	9.0
2 57.5	43.0	61 48.7	30.5
3 53.5	7.5	11 3 22.6	41.1
6 29.0	15.0	5 21.0	2.7
Comet +		**Stern +**	
11 8 21.0	37.0	11 7 18.8	30.2
10 46.0	30.0	10 7.0	55.1
12 21.0	36.5	11 18.0	30.0
14 45.0	28.5	14 5.5	54.2
16 10.0	25.0	15 7.0	18.3
18 33.0	17.0	17 52.6	41.2
20 8.5	25.0	19 6.2	17.6
22 34.0	17.5	21 51.4	40.1
24 14.0	30.5	23 9.5	21.4
26 38.0	21.5	25 54.9	43.0

	h	m	s
Mittel der Zeit	11	7	50.4
Correct. der Uhr.. ...		+	44.4
Sternzeit...........	11	8	34.8
Mittlere Wien. Zeit ...	9	6	51.2

Comet —		Stern —	
11 15 25.5	38.0	11 14 22.5	39.5
17 59.0	45.0	16 26.5	10.3
19 22.5	36.0	18 18.3	35.2
21 57.0	42.5	20 23.5	7.2
27 31.0	44.5	26 24.9	40.7
30 4.0	50.5	28 31.0	16.0
31 36.5	50.0	30 29.1	46.0
34 9.0	55.0	32 36.8	21.1

1871.0	3h 24m 18.s39	+46° 58′ 58.″5
Reduct. .	— 2.02	— 1.3
Differ. ..	+ 1 15.78	— 1 3.1
eig. Bew.	0.00	0.0
Refr.....	— 0.03	— 0.3
Comet ..	3 25 32.12	+46 57 53.8
Log. F. Par.	8.660	9.932

1871. 22. April. ♄

Differenz (Com. — St.).

+0m 47.s22	
48.15	
48.63	+3′ 31.″8
49.15	
49.40	
50.73	
50.82	
51.48	+3 1.0
52.42	
53.67	
+0 50.17	+3 16.4

Stern.

Wien.Mikr.Vgl.	3h32 23.s06	+45°44′54.″3
Berl.Mer.Beob.	22.79	55.8

ang. $\frac{W. + 2 B.}{3}$

1871.0	3h32m 22.s88	+45° 44′ 55.″3
Reduct. .	— 1.98	— 1.4
Differ...	+ 0 50.17	+ 3 16.4
eig. Bew.	— 0.01	— 0.4
Refr.....	+ 0.04	+ 0.3
Comet...	3 33 11.10	+45 48 10.2
Log. F.Par.	8.765	9.852

1871. 25. April. ♂

Differenz (Com. — St.).

+1m 17.s17	
18.45	+2′ 49.″8
19.35	
19.37	
21.63	
22.30	+2 6.3
22.58	
24.30	
+1 20.62	+2 28.0

Comet +			Stern +		
h m s	s		h m s	s	
11 41 19.5	35.0		11 39 47.1	0.0	
43 27.5	11.0		42 16.2	3.2	
45 32.5	50.0		44 0.3	13.1	
47 41.0	24.0		46 28.9	16.0	
49 36.0	52.0		48 3.7	17.1	
51 45.0	28.0		50 31.2	18.7	
53 45.5	2.0		52 12.1	25.3	
55 55.0	38.0		54 39.3	26.8	

	h	m	s
Mittel der Zeit	11	36	37.8
Correct. der Uhr		+	47.0
Sternzeit	11	37	24.8
Mittlere Wien. Zeit ...	9	23	48.7

Comet —		Stern —	
11 51 9.2	22.0	11 53 8.4	22.5
53 39.1	26.3	55 20.4	6.4
56 45.3	59.0	58 43.3	57.2
59 17.0	4.3	60 57.0	43.4
12 1 25.2	38.1	12 3 22.7	36.4
3 57.0	44.5	5 37.3	24.1
9 13.0	26.2	11 7.3	21.2
11 44.0	31.7	13 25.2	12.0
13 55.5	8.4	15 49.1	2.2
16 28.0	15.4	18 8.3	55.4

Comet +		Stern +	
12 19 5.0	19.1	12 20 46.1	58.1
21 23.0	8.5	23 13.6	1.3
26 25.0	39.2	28 5.2	17.2
28 40.0	26.0	30 29.4	16.6
31 0.2	15.1	32 42.0	54.5
33	2.0	35 5.2	52.0
35 28.0	42.4	37 9.1	22.2
37 44.6	30.0	39 31.0	17.8
39 54.0	9.0	41 33.5	46.8
42 8.5	54.0	43 53.5	40.7

	h	m	s
Mittel der Zeit	12	17	39.0
Correct. der Uhr		+	47.8
Sternzeit	12	18	26.8
Mittlere Wien. Zeit ...	10	0	47.8

Stern. B. D. 833.

1871.0	$3^h 43^m 16^s.50$	+ 43° 53′ 46.″8
Reduct. .	— 1.89	— 1.4
Differ. ..	+ 1 20.62	+ 2 18.0
eig. Bew.	— 0.02	— 0.7
Refr.	+ 0.03	+ 0.3
Comet ...	3 44 35.24	+ 43 56 13.0
Log. F. Par.	8.735	9.878

1871. 26. April. ☿.

Differenz (Com. — St.).

— 1^m 50.^{s}27 48.83 48.93 47.70 46.92	+ 1′ 45.″2
45.87 44.55 44.88 43.77 42.25	+ 0 52.6
— 1 46.39	+ 1 18.9

Stern. B. D. 854.

1871.0	$3^h 50^m 8^s.08$	+ 43° 16′ 0.″4
Reduct. .	— 1.86	— 1.3
Differ. ..	— 1 46 39	+ 1 18.9
eig. Bew.	— 0.01	— 0.5
Refr. ...	+ 0.03	+ 0.3
Comet....	3 48 19 85	+ 43 17 17 8
Log. F. Par.	8.685	9.915

Comet — h m s	s	Stern + h m s	s
12 35 21.5	32.0	12 34 33.6	44.4
37 23.0	11.5	36 36.2	25.7
41 21.0	32.0	40 37.0	48.3
43 27.0	15.5	42 34.0	22.3
44 55.0	7.0	44 12.7	24.4
47 5.0	53.0	46 6.0	54.7

Mittel der Zeit	12 41 35.6
Correct. der Uhr	+ 0 56.2
Sternzeit	12 42 31.8
Mittlere Wien. Zeit ...	9 15 33.8

1871. **14. Mai** ⊙

Differenz (Com. — St.).

+ 0m 47.s03	— 20′	55.″7
48.47	21	13.9
50.55	21	16.2
+ 0 48.68	— 21	8.6

Stern.

Lal. 9072 ..	4h 43m 56.s00	+30° 56′ 50.″9
Weisse II 960	55.84	50.4

ang. $\frac{L + 2\,W}{3}$

1871.0	4h 43m 55.s89	+30° 56′ 50.″6
Reduct. .	— 1.48	— 1.0
Differ. ..	+ 0 48.68	— 21 8.6
eig. Bew.	+ 0.12	— 1.4
Refr. ...	— 1.94	— 28.6
Comet	4 44 41.27	+30 35 11.0
Log. F. Par.	8.653	9.971

Vergleichsternbestimmungen.

Vergleichstern zu Comet 1870 II. 20. November.

Vglst. + h m s	s	Stern — h m s	s
1 3 23.3	33.6	1 3 43.2	52.0
5 20.9	10.0	5 57.0	48.3
10 44.3	54.4	11 3.7	12.2
12 41.2	30.9	13 18.0	9.0
13 57.3	7.8	14 16.3	25.1
15 54.2	43.8	16 31.0	22.5
17 10.3	21.0	17 29.2	38.0
19 6.8	55.9	19 44.0	35.3
20 7.4	18.0	20 26.0	35.1
22 3.5	52.0	22 40.8	32.0

	h m
Mittel der Zeit	1 14.0
Correct. der Uhr	+ 3.9
Sternzeit	1 17.9

1870. **28. December.** ☿

Differenz (Vglst. — St.).

— 0m 28.s17	
28.02	
27.95	+ 17′ 30.″6
28.13	
28.25	
— 0 28.10	

Stern Weisse II. 139.

1870.0	21h 7m 21.s47	+28° 2′ 9.″4
Differ. ..	— 0 28 10	+ 17 30.6
Refr.. ..	+ 0.04	+ 0.5
Vglst. ..	21h 6 53.41	+28 19 40.5

Vergleichstern zu Comet 1870 II. 22. November.

Vglst. +			Stern —		
h m	s	s	h m	s	s
1 30	34.5	45.0	1 30	12.0	22.5
32	34.2	24.4	32	10.0	59.0
33	28.3	38.1	33	5.0	16.3
35	28.0	17.7	35	3.0	52.5
36	20.4	30.2	35	57.1	8.0
38	19.8	9.3	37	55.1	44.7
39	5.8	16.0	38	42.2	52.5
41	5.0	54.5	40	40.1	30.0
41	49.8	59.8	41	26.3	36.4
43	48.0	37.7	43	23.3	13.0
44	49.0	59.1	44	24.8	35.0
46	47.5	37.4	46	23.5	13.2

	h m
Mittel der Zeit	1 38.7
Correct. der Uhr	+ 3.9
Sternzeit	1 42.6

1870. **28. December.** ☿

Differenz (Vglst. — St.).

$$\left.\begin{matrix} +0^m\,24.^s15 \\ 23.83 \\ 23.70 \\ 24.13 \\ 24.07 \\ 24.13 \end{matrix}\right\} +20'\ 0.''0$$

+ 0 24.00

Stern. B. D. 3999.

1870.0	21h	4m	59.s16	+27°	32′	55.″8
Differ. ..		+ 0	24.00	+20		0.0
Refr.		+	0.06	+		0 7
Vglst. ...	21	5	23.22	+27	52	56.5

Vergleichstern 1 zu Comet 1870 II. 13. November.

Vglst. +			Stern —		
0 41	45.3	56.2	0 40	56.1	6.3
43	....	36.0	42	56.9	46.3
44	59.2	10.1	44	9.2	19.0
47	0.0	49.1	46	10.1	0.3
48	38.4	48.3	47	47.5	57.3
50	37.5	27.4	49	48.4	38.5
51	53.8	4.2	51	2.8	12.7
53	53.1	42.8	53	4.1	54.4
56	8.5	18.9	55	18.1	28.0
58	7.1	56.8	57	18.8	9.2

	h m
Mittel der Zeit	0 48.1
Correct. der Uhr	+ 5.9
Sternzeit.............	0 54.0

1871. **3. Jänner.** ♂

Differenz (Vglst. — St.).

$$\left.\begin{matrix} +0^m\,49.^s70 \\ 49.95 \\ 49.98 \\ 49.98 \\ 49.30 \end{matrix}\right\} +19'\ 40.''9$$

+ 0 49.79

Corr. Uhrgang + 0.01.

Stern.

Lal. 41506	21h	15m	0.s42	+28°	17′	11.″7
Weisse II. 335			0.53			15.0

ang.: $\frac{L + 2\,W}{3}$

1871.0	21h	15m	0.s49	+28°	17′	13.″9
Differ....	+	0	49.80	+	19	40.9
Refr.....	+		0.03	+		0.5
Vglst. ..	21	15	50.32	+28	36	55.3
jährl. Pr.	+		2.59	+		15.1
1870.0	21	15	47.73	+28	36	40.2

Vergleichstern zu Comet 1870 II. 16. October.

Vglst. —			Stern 1 +		
h m	s	s	h m	s	s
2 21	22.8	34.2	2 20	49.4	59.8
23	11.8	0.0	22	51.0	40.5
24	28.3	39.7	23	55.4	5.2
26	17.7	6.5	25	56.5	46.3
27	22.6	34.2	26	49.4	59.7
29	11.7	1.0	28	50.9	40.5
30	25.9	37.4	29	53.5	3.7
32	16.4	5.1	31	54.3	44.0
Vglst. +			**Stern 2 —**		
2 35	12.4	24.7	2 36	19.2	31.2
37	4.2	52.3	38	5.2	52.1
38	37.8	49.3	39	42.2	54.1
40	27.2	15.3	41	29.3	17.4
42	3.0	15.1	43	6.7	18.5
43	51.6	39.8	44	54.3	42.5
45	23.3	35.8	46	27.1	39.1
47	12.1	0.0	48	15.2	3.3

	h	m
Mittel der Zeit	2	34.2
Correct. der Uhr	+	5.9
Sternzeit	2	40.1

1871. 3. Jänner. ♂

Differenz (Vglst. — St. 1).

$+ 0^m\ 27.^s02$		
27.20	— 21′ 26.″5	
27.25		
27.32		
+ 0 27.20		

Differenz (Vglst. — St. 2).

$— 1^m\ 3.^s52$	
3.35	+ 23′ 8.″2
3.12	
3.38	
— 1 3.34	
Corr. Uhrg. — 0.02	

Stern 1. Weisse II. 761.

1871.0	$22^h 33^m$	$43.^s18$	$+30°$	28′ 27.″9
Reduct ..	—	1.70	+	1.8
Differ. ..	+ 0	27.20	—	21 26.5
Refr. ...	—	0.04	—	0.6
Vglst....	22 34	8.64	+30	7 2.6

Stern 2. B. D. 4731.

1871.0	$22^h 35^m$	$12.^s93$	$+29°$	43′ 50.″1
Reduct...	—	1.69	+	1.6
Differ....	— 1	9.36	+	23 8.2
Refr.....	+	0.04	+	0.6
Vglst, ..	22 34	7.92	+30	7 0.5
Im Mittel	22 34	8.28	+30	7 1.5
Reduct...	—	1.70	+	1.7
1871.0	22 34	9.98	+30	6 59.8
jährl. Pr.	+	2.79	+	18.7
1870.0	22 34	7.19	+30	6 41.1

Vergleichstern 1 zu Comet 1870 II. 30. September.

Vglst. —		Stern —	
h m s	s	h m s	s
3 26 30.3	39.7	3 25 27.5	40.2
28 40.5	31.2	27 5.2	52.5
30 46.2	55.1	29 43.3	55.4
32 56.3	47.5	31 21.4	8.9
35 26.2	35.9	34 23.2	36.0
37 35.3	26.5	36 0.4	47.3
39 14.6	23.4	38 11.2	24.1
41 24.2	15.4	39 49.3	36.5
Vglst. +		**Stern +**	
3 47 24.3	37.1	3 45 48.9	57.8
48 59.9	46.5	47 57.7	48.8
51 10.5	23.2	49 34.8	43.7
52 46.0	33.0	51 43.5	34.5
54 56.2	9.3	53 20.7	29.5
56 31.5	18.3	55 29.2	20.3
58 48.8	1.3	57 13.2	22.2
60 23.5	10.4	59 21.2	12.3

	h m
Mittel der Zeit	3 44.0
Correct. der Uhr	+ 9.4
Sternzeit	3 53.4

1871. 13. Jänner ♀

Differenz (Vglst. — St.).

+ 1m 19.s07 19.03 19.25 19.12	+ 4′ 26.″6
18.65 19.05 18.90 18.78	+ 4′ 32.″9
+ 1 18.98	+ 4 29.9
Corr. Uhrg. + 0.02	

Stern. Weisse II. 484.

1871.0	0h 19m 56.s35	+ 26° 18′ 24.″1
Reduct. .	— 1.26	— 0.1
Differ. . .	+ 1 19.00	+ 4 29.9
Refr.	+ 0.01	+ 0.1
Vglst. . . .	0 21 14.10	+ 26 22 54.0
Reduct. .	— 1.26	— 0.1
jährl. Pr.	+ 3.13	+ 20.0
1870.0	0 21 12.23	+ 26 22 34.1

Vergleichstern 1 zu Comet 1870 II. 5. October.

Vglst. —		Stern 1 +	
2 31 5.5	15.7	2 31 42.0	51.0
32 58.3	49.0	33 41.8	32.0
34 48.7	57.9	35 24.8	33.2
36 40.0	30.7	37 23.9	14.8
37 53.9	3.2	38 30.3	36.2
39 45.9	36.0	40 29.2	20.0
Vglst. +		**Stern 2 —**	
2 45 4.4	14.8	2 46 8.3	19.0
46 53.5	44.0	48 2.3	52.0
48 30.0	40.0	49 34.8	44.8
50 19.6	9.4	51 28.2	18.0
51 36.3	6.0	52 58.9	9.3
53 44.6	34.8	54 53.7	43.0

1871. 12. December. ♂

Differenz (Vglst. — St. 1).

— 0m 39.s58 39.85 39.87	— 20′ 50.″2
— 0 39.77	

Differenz (Vglst. — St. 2).

— 1m 6.s17 6.70 5.80	+ 21′ 53.″7
— 1 6.22	

Stern 1.

Lal. 46682	23h 43m 26.s31	+ 29° 20′ 36.″5
Weisse II.909	26.43	36.0

ang. $\frac{\text{Ll} + \text{W}}{2}$

Vergleichstern 2 zu Comet 1870 II. 5. October.

	h	m
Mittel der Zeit	2	42 5
Correct. der Uhr	—	4 4
Sternzeit.............	2	38.1

1871.0	23ʰ43ᵐ 26.ˢ37	+ 29° 20′	36.″2
Reduct. .	+ 1.90	+	23.1
Differ...	— 0 39.77	— 20	5.2
Refr.....	— 0.02	—	0.4
Vglst....	23 42 48.48	+29 0	8.7
	Stern. 2. B. D. 4643.		
1871.0	23ʰ43ᵐ52.ˢ78	+28° 37′	59.3
Reduct. .	+ 1.91	+	22.9
Differ. ..	— 1 6.22	+ 21	53.7
Refr. ...	+ 0.02	+	0.5
Vglst ..	23 42 48.49	+29 0	16.4
Im Mittel	23 42 48.48	+29 0	12.5
Reduct...	+ 1.90	+	23.0
1871.0	23 42 46.58	+28 19	49.5
jährl. Pr.	+ 3.02	+	20.0
1870.0	23 42 43.56	+28 59	29.5

Vergleichstern zu Comet I 1871. 22. April.

Vglst. —		Stern —	
12 4 52.6	5.4	12 8 26.2	43.2
7 32.2	20.0	10 30.2	13.5
11 17.0	29.1	14 50.1	7.0
13 58.0	46.1	16 57.1	40.6
17 24 0	36.4	20 57.3	13.4
20 6.5	54.3	23 6.0	50.2
23 30.1	42.0	27 2.2	18.1
26 13.3	1.1	29 13.4	57.5
Vglst. +		**Stern +**	
12 30 36.3	53.0	12 33 35.2	47.0
32 41.2	24.2	36 14.2	2.3
36 50.0	7.0	39 48.0	0.4
38 52.1	34.8	42 26.3	14.6
42 52.9	9.8	45 50.1	2.1
44 52.0	35.2	48 27.1	15.2

	h	m
Mittel der Zeit	12	25.1
Correct. der Uhr	+	0.8
Sternzeit.............	12	25.9

1871. 25. April ♂

Differenz (Vglst. — St.).

— 3ᵐ 15.ˢ72	
16.15	+ 3′ 33.″0
16.43	
16.17	
16.00	
16.35	+ 3 35.8
16.15	
— 3 16.14	+ 3 34.2

Stern.

Lal. 6791	3ʰ 35ᵐ 38.ˢ69	+ 45° 41′	20.″9
A.Ö.4062	39.13		19.3

Blos A. Ö. benützt.

1871.0	3ʰ35ᵐ39.ˢ13	+ 45° 41′	19.″3
Reduct. .	— 1.96	—	1.6
Differ. ..	— 3 16.14	+ 3	34.2
Refr.....	+ 0.06	+	0.6
Vglst. ..	3 32 21.09	+ 45 44	52.5
Reduct...	— 1.97	—	1.8
1871.0	3 32 23.06	+ 45 44	54.3

Vergleichstern zu Undina 1871. 24. März.

Vglst. — h	m	s	s	Stern — h	m	s	s
13	16	54.6	3.5	13	15	43.3	51.4
	18	46.3	37.4		17	40.0	31.7
	20	33.4	42.0		19	22.5	30.6
	22	27.2	18.4		21	20.3	12.0
	24	14.4	23.1		23	3.3	11.2
	26	8.0	59.2		25	1.5	53 5
	27	57.2	5.8		26	46.0	54.3
	29	51.2	42.7		28	44.4	36.5
Vglst. +				**Stern +**			
13	34	6.4	15.3	13	33	0.7	10.0
	35	56.0	46.9		34	44.0	34.2
	37	49.0	58.0		36	43.1	52.8
	39	38.2	29 0		38	26.0	16.2
	41	22.7	31.9		40	16.8	26.5
	43	11.5	2.6		41	59.4	49.7
	45	31 4	40.3		44	25.2	35.0
	47	19.3	10.1		46	7.3	57.8

	h	m
Mittel der Zeit	13	32.0
Correct. der Uhr	+	0.9
Sternzeit.............	13	32.9

1871. **14. Mai.** ⊙

Differenz (Vglst. — St.).

$+1^m\ 8.^s85$, 8.90, 8.80, 8.93	$-0'\ 56.''2$
8.92, 9.02, 9.07, 8.98	$-0\ \ 59.3$
$+1\ \ 8.93$	$-0\ \ 57.7$

Stern.

Lal... 23001	$12^h\ 10^m\ 14^s96$	$+13^\circ\ 15'\ 26.''3$
Weisse I. 137	14.92	20.3
Schj.....4432	14.93	22.3

Blos Schj. benützt.

1871.0	$12^h\ 10^m\ 14.^s93$	$+13^\circ\ 15'\ 22.''3$
Reduct. .	+ 0.81	— 1.1
Differ. ..	+ 1 8.93	— 0 57.7
Refr.....	0.00	0.0
Vglst....	12 11 24.67	+ 13 14 23.5
Reduct ..	+ 0.81	— 1.1
1871.0	12 11 23.86	+ 13 14 24.6

Vergleichstern zu Amalthea 1871. 11. und 12. April.

Vglst. — h	m	s	s	Stern — h	m	s	s
12	54	21.2	31.7	12	52	2.6	11.4
	55	59.3	49.0		53	51.4	42.6
	58	36.0	46.1		56	17.1	26.3
	60	14.5	4.4		58	6.8	57.6
13	2	57.7	7.1	13	0	39.1	48.2
	4	36.6	26.7		2	29.1	20.0
	7	19.1	29.2		5	0.6	9 5
	8	58.5	48.2		6	50.3	41.4
Vglst. +				**Stern +**			
13	11	48.0	57.3	13	9	40.4	51.3
	13	33.5	24.3		11	14.4	3.3
	16	7.7	17.3		14	0.1	11.3
	17	53.7	43.9		15	34.3	23.4
	20	22.2	31.5		18	14.8	25.9
	22	7.4	57.9		19	48.2	37.2
	24	32.4	42.1		22	25.1	36.2
	26	17.8	8.2		23	58.1	47.0

1871. **15. Mai.** ☾

Differenz (Vglst. — St.).

$+2^m\ 13.^s30$, 13.30, 12.92, 13.30	$-1'\ 37.''3$
13.43, 13.37, 13.23, 13.52	$-1\ \ 37.3$
$+2\ \ 13.30$	$-1\ \ 37.3$

Stern.

Weisse I. 569	$11^h\ 33^m\ 44.^s26$	$+10^\circ 48' 48.''1$
Schjell. 4213	44.40	43.6

Blos Schj. benützt.

	h m
Mittel der Zeit	13 20.4
Correct. der Uhr	+ 0.9
Sternzeit	13 21.3

1871.0	11ʰ33ᵐ44.ˢ40	+10° 48′	43.″6
Reduct. .	+ 0.61	—	1.5
Differ. ..	+ 2 13.30	— 1	37.3
Refr.	0.00		0.0
Vglst. ...	11 35 58.31	+10 47	4.8
Red.	+ 0.62	—	1.5
1871.0	11 35 57.69	+10 47	6.3

Vergleichstern zu Amalthea 1871. 8. April.

Vglst. +		Stern 1 —	
h m s	s	h m s	s
13 33 38.3	47.5	13 27 4.2	14.7
35 29.2	20.1	28 48.3	36.4
42 58.1	7.3	36 23.6	33.2
44 48.2	39.0	38 7.9	58.2
52 6.1	15.0	45 30.4	39.5
53 54.8	46.0	47 15.4	6.2
14 1 13.2	22.2	54 36.6	45.8
3 1.3	52.3	56 22.6	13.2

	h m
Mittel der Zeit	13 48.4
Correct. der Uhr	+ 1.0
Sternzeit.	13 49.4

1871. **18. Mai. ♃**

Differenz (Vglst. — St. 1).

+ 6ᵐ	37.ˢ50	+ 19′ 50.″2
	37.43	
	37.60	
	37.70	
+ 6	37.56	

Stern 1. B. D. 2333.

1871.0	11ʰ30ᵐ15.ˢ89	+10°	19′ 8.″6
Reduct. .	+ 0.56	—	1.4
Differ. ...	+ 6 37.56	+	19 50.2
Refr.	+ 0.02	+	0.6
Vglst. ...	11 36 54.03	+10	38 58.0
Reduct. ..	+ 0.60	—	1.3
1871.0	11 36 53.43	+10	38 59.3

Vergleichsstern zu Amalthea 1871. 8. April.

Vglst. —		Stern 2 +	
13 14 8.8	19.7	13 10 11.1	22.0
15 42 2	30.9	11 45.7	34 4
20 27.0	38.0	16 29.8	40.5
22 0.3	49.6	18 3.4	52.6
26 21.8	32.5	22 25.3	36.3
27 56.3	45.5	23 58.5	47.4
32 17.5	28.3	28 22.0	33.1
33 53.0	42.2	29 54 1	43.1

	h m
Mittel der Zeit	13 24.1
Correct. der Uhr	+ 1.0
Sternzeit	13 25.1

1871. **19. Mai ♀**

Differenz (Vglst. — St. 2).

+ 3ᵐ	57.ˢ10	— 23′ 35″.5
	57.15	
	57.15	
	57.18	
+ 3	57.15	

Stern 2. Schj. 4210. (11)

1871.0	11ʰ 32ᵐ56.ˢ23	+11°	2′ 33.″5
Reduct ...	+ 0.57	—	1.1
Differ.....	+ 3 57.15	—	23 35.5
Refr.	— 0.02	—	0.7
Vglst. ...	11 36 53.93	+10	38 56.2
Reduct...	+ 0.59	—	1.2
1871.0	11 36 53.34	+10	38 57.4

ZONENBEOBACHTUNGEN

AM

MITTAGSROHRE.

1.	Columne:	fortlaufende Nummer.
2.	„	Grösse des Sternes.
3.	„	beobachtete lichte Linie.
4.	„	Uhrzeit des Antrittes an diese Linie.
5.	„	Uhrzeit des Durchganges am imaginären Mittelfaden.
6.	„	am Zonenbogen gelesene Zahlen.
7.	„	Declination aus vorläufig angenommenem Nullpuncte

(Siehe Jahrgang 1857, pag. XXII.)

Zone 98. **1857. 15. Juli. ☿**

Decl. + 16° 42′ bis 16° 52′.

			m s	h m s			° ′ ″	
1	11	5	23 53.0	19 23 51.69	210	44	16 53 22.0	dupl. austr.
2	10	5	24 8.2	24 6.89	199	41	16 47 50.5	
3	11	3	54.5	25 11.37	201	10	16 48 35.0	
4	10	5	25 23.0	25 21.69	185	30	16 40 45.0	
5	11	5	42.0	25 40.69	192	04	16 44 2.0	
6	10	3	55.0	26 11.86	189	31	16 42 45.5	
7	11	4	26 11.2	26 19.00	184	32	16 40 16.0	
8	11	7	40.0	26 20.49	210	43	16 53 21.5	
9	11	6	56.0	26 45.62	210	56	16 53 28.0	
10	11	6	27 20.0	27 9.62	193	52	16 44 56.0	
11	10	6	35.0	27 24.62	198	00	16 47 0.0	
12	10	6	55.5	27 45.12	197	09	16 46 34.5	
13	10	6	28 8.0	27 57.62	201	04	16 48 32.0	
14	8	4	28.2	28 36.00	200	20	16 48 10.0	
15	10	7	41.0	28 21.50	203	59	16 49 59.5	
16	10	8	58.0	28 29.42	195	02	16 45 31.0	
17	10	7	29 11.1	28 51.60	196	10	16 46 5.0	
18	10	6	26.2	29 15.83	186	42	16 41 21.0	
19	11	7	38.0	29 18.50	195	21	16 45 40.5	
20	11	7	51.0	29 31.49	207	33	16 51 46.5	
21	11	5	30 12.5	30 11.19	198	31	16 47 15.5	
22	10	4	30.5	30 38.30	202	41	16 49 20.5	
23	10	6	49.2	30 38.82	205	08	16 50 34.0	
24	10	8	31 4.0	30 35.39	212	21	16 54 10.5	
25	8	6	15.0	31 4.61	215	38	16 55 49.0	
26	10	8	33.8	31 5.20	210	42	16 53 21.0	
27	9	7	46.1	31 26.60	199	21	16 47 40.5	
28	9	4	32 2.0	32 9.80	204	20	16 50 10.0	
29	11	5	23.0	32 21.69	196	59	16 46 29.5	
30	11	7	40.2	32 20.70	205	18	16 50 39.0	
31	11	8	57.0	32 28.40	206	51	16 51 25.5	
32	11	4	33 12.0	33 19.80	211	15	16 53 37.5	
33	10	5	36.0	33 34.69	205	38	16 50 49.0	
34	10	8	55.0	33 26.41	199	08	16 47 34.0	
35	9	3	34 10.0	34 26.87	195	00	16 45 30.0	
36	9	4	28.0	34 35 80	197	16	16 46 38.0	
37	9	8	47.3	34 18.70	204	45	16 50 22.5	
38	9	8	35 6.0	34 27.41	202	45	16 49 22.5	
39	9	4	24.0	35 31.80	199	22	16 47 41.0	
40	9	4	37.0	35 44.80	206	26	16 51 13.0	
41	10	6	55.0	35 44.61	213	10	16 54 35.0	
42	10	6	36 14.0	36 3.62	198	38	16 47 19.0	
43	10	6	28.2	36 17.82	196	26	16 46 13.0	
44	11	5	54.0	36 52.69	195	02	16 45 31.0	
45	11	6	37 12.0	37 1.62	207	31	16 51 45.5	
46	11	5	32.2	37 30.89	200	26	16 48 13.0	
47	10	6	54.0	37 43.62	194	54	16 45 27.0	

			m s	h m s			° ' "
48	10	7	38 17.0	19 37 57.50	193	00	16 44 30.0
49	10	3	35.2	38 52.07	201	20	16 48 40.0
50	9	5	50.1	38 48.79	211	21	16 53 40.5
51	11	3	39 8.2	39 25.08	210	10	16 53 5.0
52	11	6	29.2	39 18.82	202	19	16 49 9.5
53	11	6	42.0	39 31.62	197	10	16 46 35.0
54	10	8	40 1.0	39 32.42	186	48	16 41 24.0
55	10	3	17.2	40 34.06	187	21	16 41 40.5
56	10	5	30.0	40 28.69	195	00	16 45 30.0
57	11	6	53.0	40 42.62	202	46	16 49 23.0
58	10	6	41 11.0	41 0.62	206	39	16 51 19.5
59	11	5	29.0	41 27.69	213	20	16 54 40.0
60	10	4	46.2	41 54.00	205	02	16 50 31.0
61	11	6	42 1.0	41 50.62	193	51	16 44 55.5
62	9	3	13.0	42 29.87	195	32	16 45 46.0
63	8	4	26.0	42 33.80	201	20	16 48 40.0
64	11	7	46.8	42 27.29	210	39	16 53 19.5
65	11	6	43 6.0	42 55.62	198	52	16 47 26.0
66	10	7	34.0	43 14.51	190	10	16 43 5.0
67	10	6	54.0	43 43.62	189	49	16 42 54.5
68	9	3	44 13.0	44 29.86	189	10	16 42 35.0
69	11	4	38.2	44 45.00	195	11	16 45 35.5
70	8	3	53.5	45 10.37	199	48	16 47 54.0
71	9	8	45 12.0	44 43.40	205	48	16 50 54.0
72	10	6	29.0	45 18.62	203	52	16 49 56.0
73	10	3	46.0	46 2.88	205	34	16 50 47.0
74	11	4	46 7.1	46 14.90	201	40	16 48 50.0
75	10	4	27.2	46 35.00	203	35	16 49 47.5
76	9	4	38.1	46 45.90	207	30	16 51 45.0
77	9	6	50.0	46 39.62	208	00	16 52 0.0
78	10	4	47 0.0	47 7.80	206	12	16 51 6.0
79	9	5	18.0	47 16.69	204	41	16 50 20.5
80	9	3	33.0	47 49.88	206	00	16 51 0.0
81	9	5	47.0	47 45.69	210	15	16 53 7.5
82	8	8	48 9.0	48 40.42	195	01	16 45 30.5
83	10	8	39.1	48 10.50	211	19	16 53 39.5
84	11	8	59.0	48 30.41	201	40	16 48 50.0
85	11	6	49 18.0	49 7.62	194	46	16 45 23.0
86	11	6	35.2	49 24 83	187	43	16 41 51.5
87	10	3	56.4	50 13.27	192	45	16 44 22.5
88	9	4	50 11.3	50 19.10	194	45	16 45 22.5
89	10	8	26.2	49 57.61	198	10	16 47 5.0
90	8	5	37.2	50 35.89	196	40	16 46 20.0
91	10	6	54.0	50 43.62	203	35	16 49 47.5
92	9	4	51 7.0	51 14.80	206	37	16 51 18.5
93	10	4	25.0	51 32.80	203	43	16 49 51.5
94	11	4	41.2	51 49.00	199	34	16 47 47.0
95	10	4	52 1.0	52 8.82	198	52	16 47 26.0
96	10	6	19.2	52 8.81	214	20	16 55 10.0
97	10	5	41.0	52 39.69	205	20	16 50 40.0
98	11	5	59.0	52 57.69	212	27	16 54 13.5
99	10	4	53 18.0	53 25.80	202	44	16 49 22.0

			m	s	h	m	s			°	'	"	
100	10	3	53	33.2	19	53	50.07	198	02	16	47	1.0	
101	10	5		46.0		53	44.69	199	30	16	47	45.0	
102	10	7		58.2		53	38.70	199	36	16	47	48.0	
103	10	4	54	16.2		54	24.00	195	40	16	45	50.0	
104	9	3		32.4		54	49.27	195	40	16	45	50.0	
105	10	7		48.2		54	28.70	204	00	16	50	0.0	
106	11	8	55	13.0		54	44.41	203	13	16	49	36.5	
107	9	6		40.2		55	29.83	183	42	16	39	50.0	
108	9	5		57.1		55	55.79	192	41	16	44	20.5	
109	11	7	56	14.2		55	54.69	206	17	16	51	8.5	
110	16	7		40.0		56	20.49	206	40	16	51	20.0	
111	9	3		57.0		57	13.88	205	55	16	50	57.5	
112	10	3	57	15.0		57	31.88	209	35	16	52	47.5	
113	10	5		36.0		57	34.69	206	23	16	51	11.5	dupl. praec.
114	10	6	58	3.2		57	52.82	195	10	16	45	35.0	
115	8	3		23.2		58	40.07	193	00	16	44	30.0	
116	10	7		37.5		58	18.00	198	42	16	47	21.0	
117	9	8		54.2		58	25.60	206	30	16	51	15.0	
118	9	4	59	8.0		59	15.80	200	20	16	48	10.0	
119	10	6		25.0		59	14.62	203	00	16	49	30.0	
120	10	3		38.2		59	55.07	202	30	16	49	15.0	
121	9	5		57.2		59	55.89	194	12	16	45	6.0	
122	11	5	0	11.0	20	0	9.69	192	43	16	44	21.5	
123	9	4		39.2		0	47.00	185	23	16	40	41.5	
124	10	6	1	7.2		0	56.82	203	10	16	49	35.0	
125	11	8		31.0		1	2.40	206	06	16	51	3.0	
126	10	6		49.0		1	38.62	206	55	16	51	27.5	
127	10	8	2	18.0		1	49.41	203	43	16	49	51.5	
128	10	7		31.0		2	11.50	195	18	16	45	39.0	
129	8	3		52.3		3	9.17	192	28	16	44	14.0	
130	10	6	3	15.0		3	4.62	194	23	16	45	11.5	
131	10	4		31.0		3	38.80	194	39	16	45	19.5	
132	9	5		55.2		3	53.89	194	15	16	45	7.5	
133	10	8	4	17.0		3	48.41	200	00	16	48	0.0	
134	10	7		31.0		4	11.50	198	47	16	47	23.5	
135	9	7		41.2		4	21.70	192	20	16	44	15.0	
136	9	4	5	2.0		5	9.80	197	10	16	46	35.0	
137	9	3		12.8		5	29.67	197	38	16	46	49.0	
138	8	6		29.0		5	18.62	206	19	16	51	9.5	
139	10	6		50.0		5	39.61	216	29	16	56	14.5	
140	10	6	6	12.2		6	1.82	202	31	16	49	15.5	
141	10	7		33.0		6	13.50	195	38	16	45	49.0	
142	10	7	7	0.0		6	40.50	201	40	16	48	50.0	
143	10	4		15.0		7	22.80	197	00	16	47	30.0	
144	9	4		25.0		7	32.80	199	25	16	47	42.5	
145	9	8		50.0		7	21.39	210	40	16	53	20.0	
146	9	8	8	4.0		7	35.39	211	10	16	53	35.0	
147	10	5		14.0		8	12.69	212	32	16	54	16.0	
148	10	8		32.0		8	3.41	199	03	16	47	31.5	
149	11	5	9	8.0		9	6.69	205	30	16	50	45.0	
150	10	5		34.0		9	32.69	203	53	16	49	56.5	
151	10	5		54.5		9	53.19	204	52	16	50	26.0	

			m s	h m s			° ' "	
152	10	4	10 10.0	20 10 17.81	217	35	16 56 47.5	
153	9	4	33.2	10 41.00	202	38	16 49 19.0	
154	10	7	51.0	10 31.50	195	40	16 45 50.0	
155	10	8	11 11.0	10 42.42	191	43	10 43 51.5	
156	10	4	28.0	11 35.80	194	51	16 45 25.5	dupl. sequ.
157	10	5	52.0	11 50.69	192	17	16 44 8.5	
158	10	8	12 19.0	11 50.42	188	25	16 42 12.5	
159	10	5	38.0	12 36.69	198	21	16 47 10.5	
160	9	5	59.2	12 57.89	213	20	16 54 40.0	
161	9	4	13 12.5	13 20.31	210	42	16 53 21.0	
162	10	5	31.5	13 30.19	208	58	16 52 29.0	
163	11	5	46.0	13 44.69	201	21	16 48 40.5	
164	9	5	14 6.0	14 4.69	196	47	16 46 23.5	
165	9	6	25.1	14 14.72	195	48	16 45 54.0	
166	10	4	46.0	14 53.80	205	07	16 50 33.5	
167	10	4	15 9.0	15 16.80	203	32	16 49 46.0	
168	9	3	23.2	15 40.07	202	30	16 49 15.0	
169	9	6	49.0	15 38.62	191	08	16 43 34.0	
170	10	5	16 5.0	16 3.69	197	10	16 46 35.0	
171	8	4	29.3	16 37.10	204	18	16 50 9.0	
172	10	5	51.0	16 49.69	206	30	16 51 15.0	
173	10	4	17 4.0	17 11.80	208	40	16 52 20.0	
174	10	4	20.0	17 27.80	207	53	16 51 56.5	
175	10	5	35.0	17 33.69	202	20	16 49 10.0	
176	10	5	18 3.0	18 1.69	193	05	16 44 32.5	
177	10	5	19.0	18 17.69	200	50	16 48 25.0	
178	10	3	33.3	18 50.17	202	45	16 49 22.5	
179	7	3	55.0	19 11.87	207	01	16 51 30.5	
..	..	4	19 4.0	19 11.80	...	..	.. ..	
180	11	5	30.2	19 28.89	211	29	16 53 44.5	
181	10	6	55.1	19 44.72	188	28	16 42 14.0	
182	9	3	20 20.2	20 37.08	204	50	16 50 25.0	
183	9	5	37.0	20 35.69	214	32	16 55 16.0	
184	9	3	54.0	21 10.88	211	45	16 53 52.5	
185	11	6	21 13.2	21 2.82	207	13	16 51 36.5	
186	10	4	27.0	21 34.81	211	22	16 53 41.0	
187	10	4	40.0	21 47.80	205	15	16 50 37.5	
188	10	7	57.3	21 37.81	189	16	16 42 38.0	
189	9	4	22 26.0	22 33.80	191	50	16 43 55.0	dupl. bor.
190	8	4	38.1	22 45.90	196	11	16 46 5.5	
191	9	8	56.0	22 27.40	205	59	16 50 59.5	
192	9	3	23 12.3	23 29.18	207	03	16 51 31.5	
193	11	4	36.0	23 43.80	204	20	16 50 10.0	
194	9	4	59.5	24 7.31	215	59	16 55 59.5	
195	10	3	24 19.2	24 36.08	206	13	16 51 6.5	
196	11	6	44.0	24 33.62	202	40	16 49 20.0	

Zone 99. **1857. 21. Juli. ♂**

Decl. + 16° 32' bis 16° 42'.

1	10	8	47 54.0	18 47 25.43	184	04	16 40 2.0	
2	9	7	48 11.2	47 51.72	171	24	16 33 42.0	dupl. praec.

			m	s	h	m	s			°	'	"	
3	10	6	48	34.8	18	48	24.43	180	02	16	38	1.0	
4	9	5		54.0		.8	52.69	175	10	16	35	35.0	
5	10	7	49	6.0		48	46.51	182	00	16	39	0.0	
6	11	7		21.0		49	1.53	163	25	16	29	42.5	
7	8	3		36.0		49	52.85	169	39	16	32	49.5	
..	..	4		46.0		49	53.79	...	..	..	..	....	
8	11	5	50	0.0		49	58.69	176	10	16	36	5.0	
9	10	7		25.0		50	5.53	166	11	16	31	5.5	
10	10	5		42.0		50	40.69	180	20	16	38	10.0	
11	10	7		3.0		50	43.53	168	48	16	32	24.0	
12	10	5		16.0		51	14.69	171	00	16	33	30.0	
13	10	6		31.0		51	20.63	179	11	16	37	35.5	
14	9	5		46.0		51	44.69	183	20	16	39	40.0	
15	10	4	52	8.2		52	16.00	185	29	16	40	44 5	
16	9	4		22.0		52	29.80	189	47	16	42	53.5	dupl. austr
17	11	5		50.0		52	48.69	178	22	16	37	11.0	
18	9	3	53	5.0		53	21.87	192	.09	16	44	4.5	dupl. austr.
19	9	3		27.1		53	43.97	181	30	16	38	45.0	
20	10	6		44.0		53	33.63	172	38	16	34	19.0	
21	10	5	54	0.0		53	58.69	172	08	16	34	4.0	
22	10	6		13.0		54	2.63	183	04	16	39	32.0	
23	10	6		25.2		54	14.83	177	50	16	36	55.0	
24	10	5		39.0		54	37.69	186	56	16	41	28.0	
25	9	5		49.2		54	47.89	187	58	16	41	59.0	
26	9	4	55	4.2		55	12.00	187	20	16	41	40.0	
27	10	5		18.5		55	17.19	182	42	16	39	21.0	
28	11	6		48.8		55	38.43	171	53	16	33	56.5	
29	11	6	56	7.0		55	56.63	177	31	16	36	45.5	
30	11	7		25.8		56	6.31	183	38	16	39	49.0	
31	11	5		43.3		56	41 99	187	31	16	41	45.5	
32	8	8		59.0		56	30.42	195	28	16	45	44.0	dupl. seq.
33	9	4	57	19.0		57	26.80	182	55	16	39	27.5	
34	9	7		38.2		57	18.72	177	20	16	36	40.0	dupl. austr.
35	9	3	58	12.0		58	28.85	172	54	16	34	27.0	
36	10	5		29.0		58	27.69	178	50	16	37	25.0	
37	9	8		47.2		58	18.62	190	13	16	43	6.5	
38	10	4		59.2		59	7.00	185	20	16	40	40.0	dupl. seq.
39	8	5	59	16.1		59	14.79	185	36	16	40	48.0	
40	10	8		28.0		58	59.44	179	32	16	37	46.0	
41	10	6		48.2		59	37.82	190	10	16	43	5 0	
42	10	4	0	3.3	19	0	11.09	172	26	16	34	13.0	
43	9	8		19.2	18	59	50.65	168	12	16	32	6.0	
44	10	7		30.2	19	0	10.72	172	20	16	34	10.0	
45	10	7		47.2		0	27.72	174	01	16	35	0.5	
46	6	7	1	3.2		0	43.72	181	18	16	38	39.0	
..	..	8		12.2		0	43.64	...	..	..	..	....	
47	7	5		29.0		1	27.69	179	48	16	37	54.0	
..	..	6		38.0		1	27.63	...	..	..	..	....	
48	10	5	2	9.0		2	7.69	168	52	16	32	26.0	
49	10	4		27.8		2	35.60	193	17	16	44	38.5	
50	8	3		47.0		3	3.86	186	49	16	41	24.5	
51	11	6	3	8.0		2	57.63	179	11	16	37	35.5	dupl. austr.

			m	s	h	m	s			°	′	″	
52	10	3	3	28.2	19	3	45.05	173	08	16	34	34.0	
53	10	5		47.0		3	45.69	176	21	16	36	10.5	
54	10	3	4	1.0		4	17.85	179	21	16	37	40.5	
55	10	5		19.2		4	17.89	175	35	16	35	47.5	
56	9	8		37.8		4	9.24	168	23	16	32	11.5	dupl. seq.
57	10	4		57.0		5	4.79	177	38	16	36	49.0	
58	9	5	5	14.0		5	12.69	178	38	16	37	19.0	
59	7	6		31.7		5	21.33	177	10	16	36	35.0	
..	..	7		40.2		5	21.64	...	..	..	..	....	
60	9	3		54.0		6	10.86	182	22	16	39	11.0	
61	10	6	6	10.1		5	59.72	193	03	16	44	31.5	
62	11	5		30.8		6	29.49	181	03	16	38	31.5	
63	9	6		46.0		6	35.63	172	24	16	34	12.0	
64	10	7		58.0		6	38.52	178	18	16	37	9.0	
65	9	8	7	15.2		6	46.64	175	58	16	35	59.0	
66	11	4		31.3		7	39.09	173	59	16	34	59.5	
67	10	5		53.0		7	51.69	182	01	16	39	0.5	
68	10	4	8	8.2		8	15.99	176	55	16	36	27.5	
69	10	5		32.2		8	30.89	191	10	16	43	35.0	
70	11	8		51.0		8	22.43	185	21	16	40	40.5	
71	10	5	9	10.0		9	8.69	178	08	16	37	4.0	dupl. bor.
72	11	3		46.0		10	2.86	190	50	16	43	25.0	
73	11	5	10	15.0		10	13.69	181	20	16	38	40.0	
74	11	4		30.2		10	37.99	176	11	16	36	5.5	
75	10	4		49.8		10	57.59	168	30	16	32	15.0	
76	10	4	11	9.2		11	16.99	167	42	16	31	51.0	
77	10	5		32.0		11	30.69	174	50	16	35	25.0	
78	10	4	12	4.2		12	11.99	175	12	16	35	36.0	
79	9	4		19.0		12	26.79	178	06	16	37	3.0	
80	10	4		31.8		12	39.59	176	49	16	36	24.5	
81	8	4	13	5.5		13	13.29	173	28	16	34	44.0	
..	..	5		14.1		13	12.79	...	..	..	..	....	
82	10	4		52.2		14	0.00	187	48	16	41	54.0	
83	9	6	14	9.0		13	58.63	182	10	16	39	5.0	
84	9	8		27.0		13	58.44	175	41	16	35	50.5	
85	10	8		46.0		14	17.43	187	05	16	41	32.5	
86	11	6	15	5.0		14	54.63	181	30	16	38	45.0	
87	10	4		18.0		15	25.79	176	01	16	36	0.5	
88	9	7		36.0		15	16.52	170	14	16	33	7.0	
89	10	3		59.8		16	16.65	166	51	16	31	25.5	
90	10	6	16	47.0		16	36.63	168	15	16	32	7.5	
91	7	5	17	9.1		17	7.79	183	31	16	39	45.5	
..	..	6		18.2		17	7.83	...	..	..	..	....	
92	8	5		32.2		17	30.89	185	45	16	40	52.5	
.	..	6		41.2		17	30.83	...	..	..	..	....	
93	11	6		58.0		17	47.63	187	08	16	41	34.0	
94	10	7	18	13.0		17	53.50	193	18	16	44	39.0	
95	9	3		58.8		19	15.67	194	55	16	45	27.5	
96	10	5	19	22.2		19	20.89	180	45	16	38	22.5	
97	10	4		42.2		19	50.00	183	07	16	39	33.5	
98	10	7		56.0		19	36.51	186	09	16	41	4.5	
99	10	3	20	18.3		20	35.16	185	13	16	40	36.5	

			m	s	h	m	s			°	'	"	
100	10	4	20	40.0	19	20	47.80	187	22	16	41	41.0	
101	9	7	21	5.2		20	45.72	171	30	16	33	45.0	
102	11	6		24.0		21	13.63	178	46	16	37	23.0	
103	11	6		49.0		21	38.63	172	33	16	34	16.5	
104	11	4	22	21.2		22	29.00	182	23	16	39	11.5	
105	10	4		57.2		23	5.00	183	32	16	39	46.0	
106	10	3	23	14.0		23	30.85	179	25	16	37	42.5	
107	10	7		32.0		23	12.52	174	45	16	35	22.5	
108	10	6		50.2		23	39 83	184	00	16	40	0.0	
109	10	3	24	16 2		24	33.05	180	01	16	38	0.5	
110	9	4	25	4.2		25	12.00	184	50	16	40	25.0	Wolken.

Zone 100. **1857. 25. Juli. ♄**

Decl. + 16° 22' bis 16° 32'.

1	9	6	35	58.0	18	35	47.63	164	30	16	30	15.0	
2	10	6	36	12.2		36	1.84	157	11	16	26	35.5	
3	10	4		28.8		36	36.58	149	32	16	22	46.0	
4	11	4	37	3.2		37	10.99	160	01	16	28	0.5	
5	11	4		20.0		37	27.79	167	00	16	31	30.0	
6	11	6		41.0		37	30.63	172	10	16	34	5.0	
7	11	4		51.0		37	58.79	162	12	16	29	6.0	
8	10	4	38	6.0		38	13.79	160	51	16	28	25.5	
9	10	4		21.0		38	28.79	159	20	16	27	40.0	
10	10	5		34.2		38	32.90	147	14	16	21	37.0	
11	10	3		51.2		39	8.04	162	42	16	29	21.0	
12	10	3	39	5.8		39	22.65	170	50	16	33	25.0	
13	10	7		20.0		39	0.53	167	00	16	31	30.0	
14	10	5		38.0		39	36.69	165	39	16	30	49.5	
15	9	4		49.0		39	56.79	163	35	16	29	47.5	dupl. praec.
16	9	3	40	9.1		40	25.95	171	31	16	33	45.5	dupl. bor.
17	10	5		37.0		40	35.69	162	39	16	29	19.5	
18	10	8		58.1		40	29.57	154	20	16	25	10.0	
19	10	3	41	12.0		41	28.84	161	05	16	28	32.5	
20	11	8		30.2		41	1.65	164	10	16	30	5.0	
21	9	4		41.0		41	48.79	171	18	16	33	39.0	
22	10	3	42	2.1		42	18.94	153	32	16	24	46.0	
23	9	3		19.0		42	35.84	154	43	16	25	21.5	
24	10	5		36.2		42	34.90	162	35	16	29	17.5	
25	11	5		53.5		42	52.20	157	23	16	26	41.5	
26	10	6	43	10.0		42	59.64	152	10	16	24	5.0	
27	10	5		20.1		43	18.80	158	11	16	27	5.5	
28	9	5		35.5		43	34.20	149	30	16	22	45.0	
29	10	7		47.4		43	27.94	156	30	16	26	15.0	
30	10	6	44	8.8		43	58.44	161	11	16	28	35.5	
31	9	6		28.2		44	17.84	153	22	16	24	41.0	
32	10	6		46.0		44	35.64	156	06	16	26	3.0	
33	10	6	45	8.1		44	57.73	171	15	16	33	37.5	
34	10	5		22.2		45	20.90	162	12	16	29	6.0	
35	10	7		34.0		45	14.54	155	20	16	25	40.0	
36	9	6		52.0		45	41.64	158	03	16	27	1.5	

			m	s	h	m	s			°	'	"	
37	9	4	46	4.0	18	46	11.79	162	09	16	29	4.5	
38	9	4		21.4		46	29.19	158	16	16	27	8.0	
39	9	5		39.0		46	37.70	158	15	16	27	7.5	
40	11	6	47	7.0		46	56.64	149	52	16	22	56.0	
41	10	5		26.0		47	24.70	161	20	16	23	40.0	
42	10	6		41.0		47	30.63	168	50	16	32	25.0	
43	9	6		57.0		47	46.63	171	11	16	33	35.5	dupl. praec.
44	10	3	48	15.3		48	32.15	169	13	16	32	36.5	
45	11	7		35.2		48	15.73	163	10	16	29	35.0	
46	10	4		48.0		48	55.79	163	20	16	29	40.0	
47	10	3	49	3.0		49	19.85	154	45	16	25	22.5	
48	9	4		18.0		49	25.79	157	11	16	26	35.5	
49	10	4		37.0		49	44.79	154	48	16	25	24.0	
50	9	4		52.2		49	59.99	166	07	16	31	3.5	
51	8	7	50	7.8		49	48.33	169	20	16	32	40.0	
..	..	8		17.0		49	48.45	...	..	..	..	....	
52	10	8		29.0		50	0.45	166	05	16	31	2.5	
53	10	7		39.2		50	19.73	161	02	16	28	31.0	
54	10	7		57.2		50	37.73	168	41	16	32	20.5	
55	11	6	51	20.0		51	9.63	170	49	16	33	24.5	
56	10	3		41.0		51	57.84	154	20	16	25	10.0	
57	10	4	52	11.0		52	18.79	156	58	16	26	29.0	
58	9	4		27.0		52	34.79	150	23	16	23	11.5	
59	11	5		44.0		52	42.70	157	20	16	26	40.0	
60	9	4	53	15.2		53	22.98	147	50	16	21	55.0	
61	10	5		31.2		53	29.90	155	50	16	25	55.0	
62	10	3		46.0		54	2.84	162	28	16	29	14.0	
63	9	6	54	3.3		53	52.93	171	59	16	33	59.5	
64	10	4		19.2		54	26.99	155	20	16	25	40.0	
65	9	4		36.3		54	44.09	159	07	16	27	33.5	
66	10	3		52.0		55	8.84	163	15	16	29	37.5	
67	9	7	55	9.1		54	49.63	169	23	16	32	41.5	
68	9	5		30.2		55	28.90	162	18	16	29	9.0	
69	9	4		45.0		55	52.79	161	50	16	28	55.0	
70	10	5		57.5		55	56.19	168	28	16	32	14.0	
71	10	4	56	10.2		56	17.99	162	53	16	29	26.5	
72	11	3		26.0		56	42.85	164	58	16	30	29.0	
73	9	3		43.0		56	59.84	157	20	16	26	40.0	
74	10	5		57.1		56	55.80	158	58	16	27	29.0	
75	9	3	57	28.2		57	45.05	164	54	16	30	27.0	
76	9	4		43.3		57	51.09	156	30	16	26	15.0	
77	10	8	58	3.2		57	34.68	146	19	16	21	9.5	
78	9	3		22.2		58	39.04	151	50	16	23	55.0	
79	9	4		42.1		58	49.89	154	43	16	25	21.5	
80	10	4	59	1.0		59	8.79	159	10	16	27	35.0	
81	10	7		18.0		58	58.53	162	10	16	29	5.0	
82	9	7		32.0		59	12 53	169	12	16	32	36.0	
83	9	5		46.5		59	45.19	168	07	16	32	3.5	
84	10	4		58.0	19	0	5.79	172	22	16	34	11.0	
85	9	4	0	15.2		0	22.99	164	00	16	30	0.0	
86	10	6		33.0		0	22.63	173	58	16	34	59.0	
87	9	5	1	2.0		1	0.69	164	30	16	30	15.0	

			m	s	h	m	s			°	′	″	
88	10	6	1	24.0	19	1	13.64	150	40	16	23	20.0	
89	10	3		44.1		2	0.94	154	32	16	25	16.0	
90	11	7	2	1.0		1	41.53	165	10	16	30	35.0	
91	9	6		13.0		2	2.63	168	50	16	32	25.0	
92	11	6		44.8		2	34.44	148	00	16	22	0.0	
93	10	6	3	3.2		2	52.84	161	50	16	28	55.0	
94	10	5		26.0		3	24.70	154	41	16	25	20.5	
95	11	4		41.2		3	48.99	161	02	16	28	31.0	
96	11	4		57.0		4	4.79	163	37	16	29	48.5	
97	10	4	4	19.0		4	26.79	171	11	16	33	35.5	
98	9	3		32.2		4	49.05	168	20	16	32	10.0	dupl. seq.
99	10	6		55.8		4	45.44	162	58	16	29	29.0	
100	9	3	5	13.0		5	29.84	159	33	16	27	46.5	
101	8	5		36.0		5	34.70	154	00	16	25	0.0	
102	10	7		49.2		5	29.73	159	37	16	27	48.5	
103	9	6	6	2.2		5	51.84	151	29	16	23	44.5	
104	9	4		22.2		6	29.99	172	23	16	34	11.5	
105	9	8		37.0		6	8.45	167	30	16	31	45.0	
106	9	5	7	2.3		7	1.00	155	48	16	25	54.0	dupl. seq.
107	10	8		23.0		6	54.47	151	10	16	23	35.0	
108	9	7		34.1		7	14.64	150	08	16	23	4.0	
109	10	8		53.0		7	24.47	157	10	16	26	35.0	
110	11	5	8	13.0		8	11.69	172	39	16	34	19.5	
111	10	4		35.0		8	42.79	154	41	16	25	20.5	
112	10	3		58.0		9	14.83	147	33	16	21	46.5	
113	8	5	9	20.2		9	18.90	154	20	16	25	10.0	
114	9	4		34.0		9	41.79	165	30	16	30	46.0	
115	10	7		54.5		9	35.03	159	59	16	27	59.5	
116	11	6	10	20.0		10	9.63	165	32	16	30	46.0	
117	10	3		35.1		10	51.95	168	21	16	32	10.5	
118	6	3		55.0		11	11.84	156	55	16	26	27.5	
...	.	4	11	4.0		11	11.79	...	..	..	..	....	
119	9	5		15.0		11	13.70	161	53	16	28	56.5	
120	10	7		31.3		11	11.63	167	35	16	31	47 5	
121	11	5		50.0		11	48.70	153	51	16	24	55.5	
122	10	5	12	38.0		12	36.69	166	56	16	31	28.0	dupl. seq.
123	8	4	13	0.2		13	7.99	173	20	16	34	40.0	
...	..	5		9.1		13	7.79	...	..	..	..	....	
124	9	6		30.3		13	19.94	157	22	16	26	41.0	
125	9	6	14	3.2		13	52.83	175	38	16	35	49.0	
126	10	4		28.0		14	35.79	163	18	16	29	39.0	
127	10	5		47.0		14	45.69	170	40	16	33	20.0	
128	9	4	15	3.2		14	10.99	170	10	16	33	5.0	
129	8	8		21.4		14	52.87	151	10	16	23	35.0	
130	10	8		36.0		15	7.46	162	35	16	29	17.5	
131	10	4		51.0		15	58.79	167	02	16	31	31.0	
132	9	4	16	3.2		16	10.99	166	42	16	31	21.0	
133	9	4		24.0		16	31.79	168	10	16	32	5.0	
134	10	4		39.0		16	46.79	164	11	16	30	5.5	
135	10	8	17	0.1		16	31.55	168	10	16	32	5.0	
136	10	8		15.1		16	46.55	164	17	16	30	8.5	
137	10	8		36.0		17	7.47	149	29	16	22	44.5	dupl. bor.

			m	s	h	m	s			°	′	″	
138	9	6	17	59.0	19	17	48.64	159	30	16	27	45.0	
139	9	4	18	14.0		18	21.79	154	06	16	25	3.0	
140	11	7		30.0		18	10.53	162	19	16	29	9.5	
141	11	5	19	6.0		19	4.70	158	40	16	27	20.0	
142	9	3		21.0		19	37.84	162	06	16	29	3.0	
143	9	4		51.0		19	58.78	144	13	16	20	6.5	dupl. praec.
144	9	4	20	18.0		20	25.79	161	38	16	28	49.0	
145	8	5		38.1		20	36.80	153	40	16	24	50.0	
...	..	6		47.8		20	37.44	...	..	..	..	....	
146	10	6	21	1.1		20	50.74	159	28	16	27	44.0	
147	11	4		26.0		24	33.79	172	30	16	34	15.0	
148	9	6		57.0		24	46.64	161	25	16	28	42.5	

Zone 101. 1857. 25. Juli. ♄

Decl. + 16° 22′ bis 16° 32′.

			m	s	h	m	s			°	′	″	
1	10	7	7	9.2	20	6	49.74	156	38	16	26	19.0	
2	10	6		23.0		7	12.64	163	33	16	29	46.5	
3	10	6		37.8		7	27.44	163	15	16	29	37.5	
4	10	5		53.0		7	51.70	156	00	16	26	0.0	
5	10	7	8	15.2		7	55.74	148	32	16	22	16.0	
6	9	3		34.8		8	51.64	153	20	16	24	40.0	
7	9	5		52.0		8	50.69	164	21	16	30	10.5	
8	10	7	9	2.0		8	42.53	168	40	16	32	20.0	
9	9	6		11.2		9	0.83	164	30	16	30	15.0	
10	10	5		27.2		9	25.90	163	26	16	29	43 0	
11	10	3		42.5		9	59.35	167	56	16	30	28.0	
12	10	7		53.2		9	33.73	161	36	16	28	48.0	
13	9	5	10	10.5		10	9.20	160	20	16	28	10.0	
..	..	6		20.6		10	10.24	...	..	..	..	....	
14	9	7		35.0		10	15.53	166	28	16	31	14.0	
15	10	4		49.1		10	56.89	163	29	16	29	44.5	
16	10	5	11	4.0		11	2.70	151	28	16	23	44.0	
17	9	4		22.0		11	29.79	152	43	16	24	21.5	
18	9	6		35.2		11	24.83	171	27	16	33	43 5	
19	10	6		55.0		11	44.63	168	51	16	32	25.5	
20	11	5	12	22.2		12	20.90	149	48	16	22	54 0	
21	9	3		39.5		12	56.34	157	21	16	26	40.5	
22	10	4	13	0.0		13	7.79	162	21	16	29	10.5	
23	8	4		15.0		13	22.79	159	20	16	27	40.0	
24	10	4		30.0		13	37.79	161	56	16	28	58.0	
25	9	5		49.1		13	47.80	162	05	16	29	2.5	
26	10	7	14	1.2		13	41.73	167	48	16	31	54.0	
27	9	5		18.5		14	17.19	170	15	16	33	7.5	dupl. bor.
28	10	6		40.2		14	29.83	166	38	16	31	19.0	
29	10	5		51.0		14	49.70	160	28	16	28	14.0	
30	7	6	15	11.0		15	0.64	159	34	16	27	47.0	
31	10	4		25.8		15	33.59	151	32	16	23	46.0	
32	10	4		45.0		15	52.78	145	59	16	20	59.5	
33	10	7	16	13.2		15	53.74	157	55	16	26	57.5	
34	9	5		27.0		16	25.70	153	39	16	24	49.5	
35	9	6		45.8		16	35.44	161	30	16	28	45.0	

			m s	h m s		° ′ ″	
36	10	4	16 58.0	20 17 5.79	161 33	16 28 46.5	
37	8	7	17 13.2	16 53.74	154 13	16 25 6.5	
38	9	4	32.0	17 39.79	152 42	16 24 21.0	
39	9	5	50.2	17 48.89	168 01	16 32 0.5	dupl. austr.
40	10	3	18 17.0	18 33.83	147 37	16 21 48.5	
41	10	5	42.0	18 40.70	159 25	16 27 42.5	
42	10	5	19 6.2	19 4.89	166 19	16 31 9.5	
43	8	5	24.0	19 22.70	160 40	16 28 20.0	
44	10	5	41.1	19 39.80	153 18	16 24 39.0	
45	9	4	56.3	20 4.08	147 30	16 21 45.0	
46	9	5	20 9.0	20 7.70	151 40	16 23 50.0	
47	9	6	20.0	20 9.64	158 44	16 27 22.0	
48	9	4	29.1	20 36.89	155 06	16 25 33.0	
49	9	3	43.8	21 0.64	160 32	16 28 16.0	
50	10	6	58.0	20 47.63	167 32	16 31 46.0	
51	10	4	21 14.3	21 22.09	169 39	16 32 49.5	
52	9	6	36.0	21 25.64	159 47	16 27 53.5	
53	8	7	54.0	21 34.53	165 31	16 30 45.5	
54	10	4	22 8.2	22 15.99	161 18	16 28 39.0	
55	9	6	30.0	22 19.64	150 40	16 23 20.0	dupl. praec.
56	10	3	49.0	23 5.85	165 53	16 30 56.5	
57	9	4	23 10.6	23 18.39	175 00	16 35 30.0	
58	10	5	31.2	23 29.90	153 32	16 24 46.0	
59	10	5	48.0	23 46.70	159 45	16 27 52.5	
60	7	3	24 8.0	24 24.85	165 23	16 30 41.5	
..	..	5	26.0	24 24.69	... ..	.. ..	
61	9	7	43.0	24 23.54	155 00	16 25 30.0	
62	10	7	59.0	24 39.54	150 28	16 23 14.0	
63	9	4	25 13.5	25 21.29	161 51	16 28 55.5	
64	10	7	36.0	25 16.53	167 20	16 31 40.0	dupl. austr.
65	10	6	26 0.2	25 49.84	157 55	16 26 57.5	
66	11	7	23.0	26 3.53	158 14	16 27 7.0	
67	10	5	40.0	26 38.70	161 09	16 28 34.5	
68	10	5	56.2	26 54.90	156 11	16 26 5.5	
69	10	4	27 17.0	27 24.79	164 43	16 30 21.5	
70	10	4	34.3	27 42.09	158 40	16 27 20.0	
71	9	7	52.0	27 32.54	153 8	16 24 34.0	
72	10	5	28 12.2	28 10.90	159 40	16 27 50.0	
73	9	7	27.0	28 7.53	160 36	16 28 18.0	
74	10	5	40.4	28 39.10	163 29	16 29 44.5	
75	9	8	29 5.0	28 36.47	148 55	16 22 27.5	
76	10	8	22.2	28 53.66	162 47	16 29 23.5	
77	9	5	42.2	29 40.89	167 00	16 31 30.0	
78	9	4	54.1	30 1.89	171 26	16 33 43.0	
79	11	5	30 11.5	30 10.19	167 15	16 31 37.5	
80	9	4	30.0	30 37.79	166 44	16 31 22.0	
81	10	5	46.8	30 45.50	160 40	16 28 20.0	
82	10	6	31 1.0	30 50.64	155 01	16 25 30.5	
83	9	6	21.2	31 10.84	148 33	16 22 16.5	
84	9	8	33.0	31 4.46	158 38	16 27 19.0	
85	9	8	52.0	31 23.45	165 10	16 30 35.0	
86	10	6	32 4.0	31 53.63	166 08	16 31 4.0	

			m	s	h	m	s			°	'	"	
87	9	7	32	19.8	20	32	0.33	166	02	16	31	1.0	
88	10	5		44.2		32	42.90	161	39	16	28	49.5	
89	10	8		58.2		32	29.67	153	13	16	24	36.5	
90	9	7	33	19.0		32	59.54	156	18	16	26	9.0	dupl. praec.
91	8	4		40.0		33	47.79	163	32	15	29	46.0	
92	9	5		55.0		33	53.69	166	42	16	31	21.0	
93	10	3	34	11.0		34	27.85	168	30	16	32	15.0	
94	10	7		27.0		34	7.53	161	23	16	28	41.5	
95	9	4		38.1		34	45.89	160	16	16	28	8.0	
96	10	5		56.0		34	54.70	156	09	16	26	4.5	
97	10	5	35	13.4		35	12 10	162	00	16	29	0.0	
98	9	3		32.2		35	49.05	169	30	16	32	45.0	
99	8	5		59.2		35	57.90	155	52	16	25	56.0	dupl. bor.
100	10	8	36	35.2		36	6.66	160	52	16	28	26.0	
101	11	7		53.0		36	33.53	166	29	16	31	14.5	
102	10	6	37	17.2		37	6.83	169	31	16	32	45.5	
103	10	4		33.2		37	40.99	165	25	16	30	42.5	
104	10	5		52.0		37	50.70	160	16	16	28	8.0	
105	10	5	38	11.0		38	9.70	156	19	16	26	9.5	
106	10	3		24.1		38	40.93	149	30	16	22	45.0	
107	7	4		48.0		38	55.79	150	05	16	23	2.5	
...	..	5		57.1		38	55.80	...	..	..	..	....	
108	10	5	39	13.2		39	11.90	152	20	16	24	10.0	
109	10	5		29.2		39	46.05	164	18	16	30	9.0	
110	9	3		58.2		40	15.04	155	30	16	25	45.0	
111	10	4	40	18.2		40	25.98	146	10	16	21	5.0	
112	10	5		32.0		40	30.69	165	35	16	30	47.5	
113	9	3		50.0		41	6.85	169	07	16	32	33.5	
114	10	4	41	11.0		41	18.79	164	49	16	30	24.5	dupl. bor.
115	10	8		35.0		41	6.46	160	40	16	28	20 0	dupl. seq.
116	9	5		58.2		41	56.90	162	42	16	29	21.0	
117	10	8	42	16.5		41	47.96	159	10	16	27	35.0	
118	10	7		33.0		42	13.53	158	20	16	27	10.0	
119	9	6		44.0		42	33.64	158	44	16	27	22.0	
120	10	6	43	2.0		42	51.64	153	18	16	24	39.0	
121	9	7		20.0		43	0.54	153	03	16	24	31.5	
122	10	8		37.0		43	8.45	167	58	16	31	59 0	
123	9	6		51.3		43	40.93	167	38	16	31	49 0	
124	9	8	44	4.1		43	35.55	169	30	16	32	45.0	
125	9	5		25.2		44	23.90	159	14	16	27	37.0	
126	8	5		39.2		44	37.90	152	19	16	24	9.5	
127	10	3		55.0		45	11.83	145	45	16	20	52.5	
128	11	3	45	21.0		45	37.85	169	19	16	32	39.5	
129	9	5		50.5		45	49.20	147	40	16	21	50.0	
130	10	8	46	5.0		45	36.48	145	29	16	20	44.5	
131	10	4		23.2		46	30.98	148	38	16	22	19.0	
132	9	3		41.2		46	58.04	159	52	16	27	56.0	
133	9	8	47	1.5		46	32.95	165	50	16	30	55.0	
134	9	6		20.8		47	10.44	161	20	16	28	40.0	
135	10	7		33.2		47	13.74	155	25	16	25	42.5	
136	10	5		47.1		47	45.80	152	10	16	24	5.0	
137	10	4	48	8 0		48	15.78	143	17	16	19	38.5	

			m s	h m s			° ' "	
138	9	3	48 32.0	20 48 48.84	162	01	16 29 0.5	
139	10	6	55.0	48 44.63	167	40	16 31 50.0	
140	9	3	49 15.2	49 32.04	150	15	16 23 7.5	
141	9	4	31.0	49 38.79	151	33	16 23 46.5	
142	8	4	48.0	49 55.78	146	21	16 21 10.5	
143	11	7	50 2.0	49 42.53	162	34	16 29 17.0	
144	7	3	18.0	50 34.85	168	11	16 32 5.5	
...	..	4	27.0	50 34.79	...	..	.. ..	
145	9	6	44.2	50 33 84	156	40	16 26 20.0	
146	9	4	51 6.0	51 13.78	146	15	16 21 7.5	
147	10	6	28.0	51 17.64	159	25	16 27 42.5	
148	9	4	44.2	51 51.99	158	33	16 27 16.5	
149	10	3	56.1	52 12.94	158	03	16 27 1.5	
150	9	5	52 9.0	52 7.69	167	09	16 31 34.5	
151	10	4	29.2	52 36.99	166	24	16 31 12.0	
152	8	5	53 9.0	53 7.69	166	22	16 31 11.0	
153	9	7	52.0	53 32.53	167	28	16 31 44.0	

Zone 102. **1857. 26. Juli.** ☉

Decl. + 16° 32′ bis 16° 42′.

			m s	h m s			° ' "	
1	11	8	11 15.1	18 10 46.53	182	54	16 39 27.0	
2	10	5	29.0	11 27.69	179	32	16 37 46.0	
3	10	6	46.5	11 36.13	169	47	16 32 53.5	
4	10	6	58.0	11 47.63	178	52	16 37 26.0	
5	9	6	12 21.2	12 10.83	182	29	16 39 14.5	
6	9	7	40.0	12 20.52	175	13	16 35 36.5	
7	8	5	51.2	12 49.89	183	00	16 39 30.0	
8	10	5	13 6.2	13 4.89	194	41	16 45 20.5	
9	11	6	28.0	13 17.63	180	00	16 38 0.0	
10	10	5	41.0	13 39.69	175	20	16 35 40.0	
11	10	8	54.0	13 25.45	166	35	16 31 17.5	
12	11	7	14 10.0	13 50.52	178	03	16 37 1.5	
13	11	7	28.0	14 8.51	185	18	16 40 39.0	
14	10	5	52.1	14 50.79	174	40	16 35 20.0	dupl. bor.
15	9	5	15 10.1	15 8.79	188	42	16 42 21.0	
16	7	3	28.1	15 44.95	178	14	16 37 7.0	
...	..	4	37.2	15 45.00	...	..	.. ..	
17	10	3	16 2.5	16 19.36	190	24	16 43 12.0	dupl. austr.
18	10	3	24 3	16 41.16	186	35	16 41 17.5	
19	11	7	42.3	16 22.81	185	41	16 40 50.5	
20	9	4	17 5.0	17 12.79	172	10	16 34 5.0	
21	10	6	20.0	17 9.63	168	49	16 32 24.5	
22	10	6	34.2	17 23.83	183	08	16 39 34.0	
23	9	7	46.6	17 27.11	189	41	16 42 50.5	
24	9	7	18 1.2	17 41.72	178	38	16 37 19.0	
25	10	6	18.0	18 7.63	180	20	16 38 10.0	
26	11	4	29.0	18 36.79	179	21	16 37 40.5	
27	10	7	46.0	18 26.52	181	09	16 38 34.5	
28	10	4	19 3.0	19 10.79	173	39	16 34 49.5	
29	9	7	14.8	18 55.33	169	55	16 32 57.5	

			m	s	h	m	s			°	'	"	
30	11	8	19	31.0	18	19	2.44	180	47	16	38	23.5	
31	11	5		50.0		19	48.69	192	50	16	44	25.0	
32	10	4	20	4.0		20	11.80	188	34	16	42	17.0	
33	9	5		19.2		20	17.89	184	10	16	40	5.0	
34	10	4		36.0		20	43.79	170	18	16	33	9.0	dupl. praec.
35	11	5	21	2.4		21	1.09	187	35	16	41	47.5	
36	8	4		17.1		21	24.90	186	19	16	41	9.5	
37	11	7		54.0		21	34.53	169	12	16	32	36.0	
38	10	4	22	12.2		22	19.99	172	42	16	34	21.0	
39	10	4		39.3		22	47.10	189	30	16	42	45.0	
40	9	5		59.0		22	57.69	192	37	16	44	18.5	
41	9	8	23	24.0		22	55.45	169	50	16	32	55.0	
42	10	7		39.3		23	19.82	174	03	16	35	1.5	
43	10	7		58.0		23	38.52	173	40	16	34	50 0	
44	10	7	24	18.5		23	59.00	193	00	16	44	30.0	dupl. austr.
45	11	5	25	12.0		25	10.69	185	42	16	40	51.0	
46	10	6		38.2		25	27.83	182	27	16	39	13.5	
47	9	5		54.0		25	52.69	192	23	16	44	11.5	
48	10	3	26	10.0		26	26.86	184	10	16	40	5.0	
49	9	4		22.5		26	30.30	186	48	16	41	24.0	
50	9	5		44.3		26	42.99	176	53	16	36	26.5	
51	10	6	27	5.3		26	54.93	175	51	16	35	55.5	
52	9	6		24.3		27	13.93	172	14	16	34	7.0	
53	8	4		40.0		27	47.79	172	32	16	34	16.0	
54	10	3		57.3		28	14.16	185	20	16	40	40.0	
55	10	5	28	30.2		28	28.89	187	40	16	41	50.0	
56	10	4		53.3		29	1.09	167	52	16	31	56.0	
57	11	6	29	24.0		29	13.62	192	40	16	44	20.0	
58	11	4		49.2		29	57.00	183	50	16	39	55.0	
59	10	4	30	10.2		30	17.99	173	30	16	34	45.0	
60	9	8		27.2		29	58.65	165	20	16	30	40.0	
61	9	4		50.2		30	58.00	188	35	16	42	17.5	
62	10	4	31	13.0		31	20.80	180	08	16	38	4.0	
63	11	4		32 0		31	39.80	187	11	16	41	35.5	
64	10	3		54.0		32	10.85	178	55	16	37	27.5	
65	11	7	32	30.0		32	10.51	189	59	16	42	59.5	
66	11	4		46.3		32	54.10	185	33	16	40	46.5	
67	10	8	33	6.2		32	37.64	173	10	16	34	35.0	
68	10	5		38.0		33	36.69	167	19	16	31	39.5	
69	11	7	34	3.2		33	43.70	192	04	16	44	2.0	
70	10	3		39.2		34	56.05	166	58	16	31	29.0	
71	10	5		58.8		34	57.49	177	18	16	36	39.0	
72	10	3	35	26.2		35	43.06	182	50	16	39	25.0	
73	9	7	36	6.0		35	46.53	164	29	16	30	14.5	
74	9	6		36.2		36	25.82	194	30	16	45	15.0	
75	10	3		51.2		37	8.06	186	00	16	41	0.0	
76	11	4	37	21.5		37	29.29	172	07	16	34	3.5	
77	11	6		36.5		37	26.13	166	58	16	31	29.0	
78	11	5	38	1.8		38	0.49	181	24	16	38	42.0	
79	10	5		16.2		38	14.89	191	14	16	43	37.0	
80	10	4		47.0		38	54.80	186	14	16	41	7.0	
81	11	5	39	10.0		39	8.69	177	45	16	36	52.5	

			m	s	h	m	s			°	'	"	
82	10	5	39	23.0	18	39	21.69	170	46	16	33	23.0	
83	7	4		54.1		40	1.90	194	37	16	45	18.5	
..	..	5	40	3.2		40	1.89	...	.	..	..	....	
84	10	7		44.2		40	24.72	171	29	16	33	44.5	
85	10	5	41	10.2		41	8.89	181	47	16	38	53.5	dupl. austr.
86	10	4		30.2		41	37 99	174	31	16	35	15.5	
87	10	5		49.2		41	47.89	171	10	16	33	35.0	
88	10	4	42	11.2		42	18.99	175	31	16	35	45.5	
89	11	7		39.0		42	19.51	189	08	16	42	34.0	
90	10	6	43	0.2		42	49.82	192	30	16	44	15.0	
91	11	7		23.2		43	3.72	173	03	16	34	31.5	
92	10	4		44.5		43	52.29	174	00	16	35	0.0	
93	10	4	44	2.1		44	9.90	188	47	16	42	23.5	
94	10	4		24.8		44	32.59	177	10	16	36	35.0	
95	11	5		58.0		44	56.69	171	11	16	33	35.5	
96	11	5	45	20.0		45	18.69	183	48	16	39	54.0	
97	10	4		43.0		45	50.79	179	00	16	37	30.0	
98	9	5	46	2.5		46	1.19	191	20	16	43	40.0	
99	10	5		22.1		46	20.79	184	12	16	40	6.0	
100	10	4		38.3		46	46.10	192	25	16	44	12.5	
101	9	4		58.2		47	6.00	184	57	16	40	28.5	
102	10	5	47	17.0		47	15.69	185	36	16	40	48.0	
103	10	4		31.3		47	39.10	189	47	16	42	53.5	
104	10	5		48.5		47	47.19	186	18	16	41	9.0	
105	9	8	48	14.0		47	45.44	171	12	16	33	36.0	dupl. praec.
106	9	4		38.0		48	45.79	175	00	16	35	30.0	
107	11	7		59.0		48	39.52	181	47	16	38	53.5	
108	9	3	49	30.0		49	46.85	169	22	16	32	41.0	
...	..	4		39.1		49	46.89	...	..	..	..	....	dupl. praec.
109	9	7	50	2.5		49	43.00	196	40	16	46	20.0	
110	11	5		35.2		50	33.89	180	08	16	38	4.0	
111	10	8	51	5.0		50	36.45	168	34	16	32	17.0	
112	10	5		39.2		51	37.89	183	07	16	39	33.5	

Zone 103. 1857. 26. Juli. ⊙

Decl. + 16° 32' bis 16° 42'.

			m	s	h	m	s			°	'	"	
1	8	8	0	32.0	20	0	3.44	177	10	16	36	35.0	
2	9	7		51.0		0	31.51	184	28	16	40	14.0	
3	9	7	1	4.0		0	44.52	179	33	16	37	46.5	
4	10	5		25.0		1	23.69	171	16	16	33	38.0	
5	10	6		39.0		1	28.63	176	51	16	36	25.5	
6	10	6		52.3		1	41.92	190	29	16	43	14.5	
7	10	6	2	13.0		2	2.63	178	03	16	37	1.5	
8	11	6		31.2		2	20.83	183	30	16	39	45.0	
9	9	3		44.2		3	1.06	183	42	16	39	51.0	
10	9	6	3	3.6		2	53.22	191	27	16	43	43.5	
11	10	3		18.0		3	34.86	187	58	16	41	59.0	
12	9	4		39.2		3	46.99	172	17	16	34	8.5	
13	10	3		53.5		4	10.35	168	52	16	32	26.0	

			m	s	h	m	s			°	'	"	
14	11	4	4	7.3	20	4	15.09	173	09	16	34	34.5	
15	10	8		24.0		3	55.44	181	40	16	38	50.0	
16	10	5		34.8		4	33.49	186	32	16	41	16.0	
17	10	6		53.2		4	42.83	183	41	16	39	50.5	
18	10	6	5	6.0		4	55.63	180	03	16	38	1.5	
19	9	8		22.2		4	53.62	196	11	16	46	5.5	
20	10	5		43.0		5	41.69	185	35	16	40	47.5	
21	9	5		59.0		5	57.69	194	38	16	45	19.0	
22	10	6	6	16.3		6	5.93	175	39	16	35	49.5	
23	9	5		33.0		6	31.69	170	32	16	33	16.0	
24	9	4		46.2		6	53.99	174	03	16	35	1.5	
25	10	4	7	3.3		7	11.10	184	57	16	40	28.5	
26	11	7		23.0		7	3.51	190	25	16	43	12.5	
27	10	4		34.2		7	42.00	189	02	16	42	31.0	
28	10	5		49.5		7	48.19	177	10	16	36	35.0	
29	10	7	8	2.5		7	43.02	172	58	16	34	29.0	dupl. austr.
30	10	5		26.0		8	24.69	173	22	16	34	41.0	
31	10	4		41.0		8	48.79	177	41	16	36	50.5	
32	10	5	9	3.0		9	1.69	191	29	16	43	44.5	
33	9	4		24.2		9	31.99	178	57	16	37	28.5	
34	11	7		45.2		9	25.72	171	18	16	33	39.0	
35	9	3		57.2		10	14.05	166	20	16	31	10.0	
36	9	7	10	26.0		10	6.51	182	38	16	39	19.0	
37	10	5		37.2		10	35.89	176	40	16	36	20.0	
38	10	6		58.8		10	48.43	186	23	16	41	11.5	
39	9	5	11	18.2		11	16.89	193	07	16	44	33.5	dupl. praec.
40	10	5		35.4		11	34.09	187	29	16	41	44.5	
41	10	7		54.2		11	34.71	191	21	16	43	40.5	
42	9	6	12	12.2		12	1.83	175	33	16	35	46.5	
43	9	8		28.0		11	59.44	180	10	16	38	5.0	
44	11	7		41.0		12	21.52	173	51	16	34	55.5	
45	11	7		54.0		12	34.52	175	18	16	35	39.0	
46	10	4	13	14.0		13	21.79	176	40	16	36	20.0	
47	10	3		26.2		13	43.05	176	38	16	36	19.0	
48	9	5		50.0		13	48.69	195	48	16	45	54.0	
49	10	4	14	11.0		14	18.79	177	50	16	36	55.0	
50	10	6		27.0		14	16.63	170	10	16	33	5.0	
51	10	4		45.1		14	52.89	171	33	16	33	46.5	
52	10	3	15	6.2		15	23.05	177	50	16	36	55.0	
53	9	5		24.1		15	22.79	190	09	16	43	4.5	
54	10	3		41.2		15	58.05	178	41	16	37	20.5	
55	9	7	16	4.0		15	44.53	168	10	16	32	5.0	
56	11	8		29.0		16	0.44	174	23	16	35	11.5	
57	9	8		51.6		16	23.02	188	08	16	42	4.0	
58	9	5	17	11.0		17	9.69	180	30	16	38	15.0	
59	9	5		29.1		17	27.79	175	20	16	35	40.0	
60	9	5		41.0		17	39.69	177	03	16	36	31.5	
61	9	6		58.2		17	47.83	167	58	16	31	59.0	
62	10	5	18	20.0		18	18.69	184	12	16	40	6.0	
63	10	8		42.2		18	13.72	188	20	16	42	10.0	
64	10	4		58.2		19	6.00	181	12	16	38	36.0	
65	10	3	19	12.1		19	28.96	187	35	16	41	47.5	

			m s	h m s			° ' "	
66	10	4	19 38.0	19 19 45.80	185	42	16 40 51.0	
67	11	5	20 0.0	19 58.69	176	21	16 36 10.5	
68	10	4	12.0	20 19.79	179	50	16 37 55.0	
69	9	5	35.0	20 33.69	181	50	16 38 55.0	
70	10	4	55.1	21 2.89	175	37	16 35 48.5	
71	10	4	21 13.2	21 20.99	169	40	16 32 50.0	
72	9	8	31.8	21 3.22	190	19	16 43 9.5	dupl. seq.
73	10	7	43.0	21 23.51	187	06	16 41 33.0	
74	9	3	22 1.0	22 17.86	190	50	16 43 25.0	
75	10	7	18.0	21 58.51	183	51	16 39 55.5	
76	10	4	49.2	22 57.00	187	49	16 41 54.5	
77	8	7	23 10.1	22 50.62	175	22	16 35 41.0	
78	7	4	25.8	23 33.59	175	40	16 35 50.0	
..	..	5	35.0	23 33.69	...	..	.. ..	
79	10	4	50.0	23 57.79	178	36	16 37 18.0	
80	7	4	24 15.2	24 22.99	165	20	16 30 40.0	
..	..	5	24.4	24 23.09	...	..	.. ..	
81	10	6	48.2	24 37.82	189	00	16 42 30.0	
82	11	6	25 5.0	24 54.63	185	00	16 40 30.0	
83	8	4	22.0	25 29.80	193	03	16 44 31.5	
84	11	3	45.2	26 2.05	179	30	16 37 45.0	
85	10	7	26 1.2	25 41.73	168	49	16 32 24.5	
86	10	7	22.0	26 2.52	179	22	16 37 41.0	
87	8	4	48.2	26 56 00	182	10	16 39 5.0	
88	10	4	27 3.3	27 11.09	176	20	16 36 10.0	
89	10	6	15.2	27 4.83	179	41	16 37 50.5	
90	10	6	28.0	27 17.62	191	13	16 43 36.5	
91	9	3	42.4	27 59.26	184	12	16 40 6.0	
92	9	6	28 1.0	27 50.63	182	52	16 39 26.0	
93	11	4	27.0	28 34.80	187	07	16 41 33.5	
94	10	4	54.2	29 2.00	188	43	16 42 21.5	
95	9	5	29 7.2	29 5.89	182	28	16 39 14.0	
96	10	6	27.2	29 16.83	173	10	16 34 35.0	

Zone 104. 1857. 27. Juli. C

Decl. + 16° 42′ bis 16° 52′.

1	9	5	44 3.2	18 44 1.89	202	43	16 49 21.5
2	10	7	14.2	43 54.70	201	02	16 48 31.0
3	8	5	29.0	44 27.69	191	01	16 43 30.5
4	9	3	48.0	45 4.87	193	00	16 44 30.0
5	10	5	59.4	44 58.09	208	40	16 52 20.0
6	10	3	45 11.0	45 27.88	207	20	16 51 40.0
7	10	8	27.0	44 58.42	197	30	16 46 45.0
8	10	3	38.2	45 55.07	194	35	16 45 17.5
9	9	4	52.6	46 0.40	191	14	16 43 37.0
10	10	7	46 8.0	45 48.50	198	51	16 47 25.5
11	9	4	25.5	46 33.30	204	35	16 50 17.5
12	10	4	47.2	46 55.01	209	00	16 52 30.0
13	10	5	47 8.0	47 6.69	196	46	16 46 23.0

			m	s	h	m	s			°	'	"	
14	10	3	47	23.2	18	47	40.07	193	55	16	44	57 5	
15	10	5		38.8		47	37.49	189	45	16	42	52.5	
16	9	5		52.2		47	50.89	197	51	16	46	55.5	
17	9	4	48	7.0		48	14.80	204	55	16	50	27.5	
18	9	5		20.5		48	19.19	200	22	16	48	11.0	
19	10	6		35.2		48	24.82	204	57	16	50	28.5	
20	10	4		48.1		48	55.91	212	20	16	54	10.0	
21	10	4	49	3.5		49	11.30	203	51	16	49	55.5	
22	10	4		20.0		49	27.80	199	01	16	47	30.5	
23	9	4		34.0		49	41.80	196	33	16	46	16.5	dupl. praec.
24	10	5		57.1		49	55.79	201	19	16	48	39.5	
25	10	3	50	12.0		50	28.87	203	20	16	49	40.0	
26	10	4		27.2		50	35.01	212	10	16	54	5.0	
27	9	4		46.2		50	54.01	209	35	16	52	47.5	
28	10	7	51	4.0		50	44.51	191	41	16	43	50.5	
29	10	5		23.2		51	21.89	204	38	16	50	19.0	
30	10	6		37.0		51	26.61	217	39	16	56	49.5	
31	8	4		59.0		52	6.81	212	16	16	54	8.0	
..	..	5	52	8.3		52	6.99	...	..	..	..	....	
32	10	8		25.8		51	57.21	198	32	16	47	16.0	
33	9	7		41.2		52	21.71	189	30	16	42	45.0	
34	9	3		57.2		53	14.06	191	50	16	43	55.0	dupl. austr.
35	8	7	53	14.0		52	54.50	202	20	16	49	10.0	
36	9	7		29.0		53	9.50	200	26	16	48	13.0	
37	10	6		46.2		53	35.82	196	30	16	46	15.0	
38	9	4		59.0		54	6.80	193	03	16	44	31.5	
39	10	8	54	22.0		53	53.42	196	39	16	46	19.5	
40	9	4		38.0		54	45.80	199	10	16	47	35.0	
41	9	4		50.0		54	57.80	202	10	16	49	5.0	
42	9	5	55	1.4		55	0.09	206	33	16	51	16.5	
43	9	6		16.5		55	6.12	202	10	16	49	5.0	
44	10	4		39.0		55	46.80	197	38	16	46	49.0	
45	8	5	56	9.2		56	7.89	207	22	16	51	41.0	
46	9	4		24.2		56	32.00	200	11	16	48	5.5	
47	9	7		42.0		56	22.50	195	10	16	45	35.0	dupl. bor.
48	10	4	57	7.1		57	14.91	211	05	16	53	32.5	dupl. praec.
49	8	5		37.1		57	35.79	202	13	16	49	6.5	
50	10	7		56.5		57	36.99	208	29	16	52	14.5	
51	9	3	58	10.0		58	26.88	207	30	16	51	45.0	
52	9	7		30.1		58	10.61	189	59	16	42	59.5	
53	10	6		48.8		58	38.42	202	02	16	49	1.0	
54	10	4		59.2		59	7.00	203	45	16	49	52.5	
55	10	4	59	16.0		59	23.80	206	40	16	51	20.0	
56	9	5		25.0		59	23.69	209	50	16	52	55.0	
57	8	3		39.0		59	55.87	203	26	16	49	43.0	
58	8	6		59.0		59	48.62	205	27	16	50	43.5	
59	9	6	0	15.0	19	0	4.62	205	30	16	50	45.0	
60	10	8		27.2	18	59	58.60	211	50	16	53	55.0	
61	9	4		45.4	19	0	53.20	195	39	16	45	49.5	
62	9	5	1	2.2		1	0.89	196	17	16	46	8.5	
63	10	5		19.2		1	17.89	203	32	16	49	46.0	
64	9	8		39.2		1	10.59	217	00	16	56	30.0	

			m	s	h	m	s			°	'	"
65	9	4	1	51.0	19	1	58.80	205	44	16	50	52.0
66	10	4	2	20.0		2	27.80	193	00	16	44	30.0
67	9	4		41.0		2	48.80	200	35	16	48	17.5
68	11	7		58.0		2	38.49	214	55	16	55	27.5
69	9	3	3	18.1		3	34.98	205	22	16	50	41.0
70	10	7		33.0		3	13.50	194	52	16	45	26.0
71	10	4		51.7		3	59.50	196	19	16	46	9.5
72	11	4	4	14.0		4	21.80	194	02	16	45	1.0
73	9	3		38.8		4	55.68	204	40	16	50	20.0
74	10	4		52.2		5	0.01	208	40	16	52	20.0
75	10	4	5	3.2		5	11.00	202	52	16	49	26.0
76	9	5		16.0		5	14.69	217	30	16	56	45.0
77	9	4		30.4		5	38.21	210	59	16	53	29.5
78	9	5		53.2		5	51.89	192	50	16	44	25.0
79	10	4	6	7.0		6	13.80	195	52	16	45	56.0
80	10	5		28.0		6	26.69	206	29	16	51	14.5
81	11	4		49.0		6	56.80	192	00	16	44	0.0
82	11	8	7	11.0		6	42.39	216	02	16	56	1.0
83	11	3		28.2		7	45.08	209	20	16	52	40.0
84	10	4		42.0		7	49.81	213	40	16	54	50.0
85	9	6		59.0		7	48.62	190	41	16	43	20.5
86	10	4	8	15.2		8	23.00	190	50	16	43	25.0
87	11	7		33.2		8	13.71	185	11	16	40	35.5
88	11	5	9	4.0		9	2.69	214	30	16	55	15.0
89	11	4		18.2		9	26.00	206	23	16	51	11.5
90	10	4		34.0		9	41.80	205	50	16	50	55.0
91	10	4		59.0		10	6.81	209	22	16	52	41.0
92	11	8	10	23.2		9	54.62	190	30	16	43	15.0
93	10	3		43.0		10	59.87	200	20	16	48	10.0
94	11	4	11	2.0		11	9.81	208	29	16	52	14.5
95	9	3		40.0		11	56.88	210	40	16	53	20.0
96	9	4		58.2		12	6.00	198	51	16	47	25.5
97	10	5	12	17.0		12	15.69	207	02	16	51	31.0
98	10	4		36.0		12	43.80	207	55	16	51	57.5
99	10	4	13	44.8		13	52.60	187	29	16	41	44.5
100	8	3		59.2		14	16.07	199	49	16	47	54.5
101	10	4	14	15.0		14	22.80	207	34	16	51	47.0
102	9	8		33.0		14	4.40	210	04	16	53	2.0
103	9	5		52.0		14	50.69	200	21	16	48	10.5
104	11	3	15	21.0		15	37.87	200	42	16	48	21.0
105	10	6		41.0		15	30.62	194	50	16	45	25.0
106	10	4		58.2		16	6.00	198	27	16	47	13.5
107	9	5	16	16.0		16	14.69	212	48	16	54	24.0
108	9	5		35.5		16	34.19	205	00	16	50	30.0
109	10	4		49.0		16	56.80	202	50	16	49	25.0
110	7	3	17	6.1		17	22.96	185	28	..	40	44.0
...	..	4		15.1		17	22.90	...	..	16	..	....
111	10	3		28.4		17	45.27	193	00	16	44	30.0
112	9	6		44.2		17	33.82	206	17	16	51	8.5
113	9	4	18	1.0		18	8.80	199	10	16	47	35.0
114	10	4		16.0		18	23.80	197	08	16	46	34.0
115	11	5		38.1		18	36.79	203	50	16	49	55.0

			m	s	h	m	s			°	'	"	
116	9	3	18	52.2	18	19	11.08	204	56	16	50	28.0	
117	10	5	19	7.2		19	5.89	211	00	16	53	30.0	
118	10	3		19.2		19	36.08	206	06	16	51	3.0	
119	11	6		43.0		19	32.62	192	37	16	44	18.5	
120	9	5	20	3.0		20	1.69	200	30	16	48	15.0	
121	11	4		16.5		20	24.30	205	40	16	50	50.0	
122	10	3	21	6.2		21	23.08	204	38	16	50	19.0	
123	9	4		20.0		21	27.60	201	20	16	48	40.0	
124	10	7		44.4		21	24.90	196	50	16	46	25.0	
125	9	4		59.0		22	6.80	192	15	16	44	7.5	
126	10	4	22	17.0		22	24.80	194	28	16	45	14.0	
127	10	4		30.0		22	37.80	194	10	16	45	5.0	
128	10	7		44.5		22	25.00	203	55	16	49	57.5	
129	10	4	23	3.0		23	10.81	217	15	16	56	37.5	
130	11	4		27.0		23	34.81	209	40	16	52	50.0	
131	10	4		42.2		23	50.00	198	38	16	47	19.0	
132	11	5	24	55.8		24	54.49	200	06	16	48	3.0	
133	10	4	25	16.0		25	23.80	191	02	16	43	31.0	
134	10	3		38.0		25	54.86	188	40	16	42	20.0	
135	11	6	26	13.5		26	3.12	209	40	16	52	50.0	
136	9	3		35.2		26	52.07	192	50	16	44	25.0	
137	9	3		50.2		27	7.07	197	00	16	46	30.0	
138	10	4	27	20.0		27	27.80	196	10	16	46	5.0	
139	10	4		32.2		27	40.00	200	00	16	48	0.0	
140	10	3		47.2		28	4.07	202	55	16	49	27.5	
141	8	4	28	11.2		28	19.00	199	15	16	47	37.5	
...	..	5		20.2		28	18.89	...	..	..	..	....	
...	..	6		29.2		28	18.82	...	..	..	..	....	

Zone 105. 1857. 29. Juli. ☿

Decl. + 16° 52' bis 17° 2'.

			m	s	h	m	s			°	'	"	
1	10	7	28	13.3	18	27	53.79	213	30	16	55	45.0	
2	11	4		25.2		28	33.01	213	48	16	55	54.0	
3	9	6		46.8		28	36.41	228	55	17	3	27.5	
4	10	4	29	2.0		29	9.81	223	02	17	0	31.0	
5	10	7		22.2		29	2.69	212	07	16	55	3.5	
6	10	7		38.8		29	19.29	210	48	16	54	24.0	
7	10	3	30	4.2		30	21.09	222	30	17	0	15.0	
8	10	3		24.0		30	40.89	216	52	16	57	36.0	
9	10	4		41.0		30	48.81	213	03	16	55	31.5	dupl seq.
10	11	5	31	6.2		31	4.89	219	07	16	58	33.5	
11	11	6		24.0		31	13.61	227	07	17	2	33.5	
12	11	8		44.0		31	15.37	231	20	17	4	40.0	
13	11	4	32	1.2		32	9.01	226	58	17	2	29 0	
14	11	7		20.0		32	0.48	221	52	16	59	56.0	
15	10	4		37.2		32	45.01	222	10	17	0	5.0	
16	9	5		58.0		32	56.69	225	10	17	1	35.0	
17	10	5	33	15.2		33	13.89	218	40	16	58	20.0	
18	10	8		36.0		33	7.40	208	18	16	53	9.0	
19	10	3		50.0		34	6.89	223	34	17	1	47.0	dupl. seq.

			m	s	h	m	s			°	'	"
20	10	8	34	9.2	18	33	40.56	236	21	17	7	10.5
21	9	3		28.0		34	44.90	230	02	17	4	1.0
22	10	6		54.3		34	43.90	234	60	17	6	25.0
23	10	7	35	14.0		34	54.49	207	34	16	52	47.0
24	10	4		51.0		35	58.81	231	40	17	4	50.0
25	10	4	36	9.2		36	17.01	233	10	17	5	35.0
26	9	3		24.1		36	40.99	229	39	17	3	49.5
27	11	4	37	1.0		37	8.81	225	29	17	1	44.5
28	9	5		22.7		37	21.39	233	18	17	5	39.0
29	8	3		42.3		37	59.19	227	23	17	2	41.5
..	..	4		51.2		37	59.01	...	..	..	..	....
30	10	5	38	14.2		38	12.89	218	55	16	58	27.5
31	8	7		36.0		38	16.49	204	00	16	51	0.0
32	11	5		59.2		38	57.89	222	03	17	0	1.5
33	10	5	39	37.0		39	35.69	206	36	16	52	18.0
34	10	6		55.4		39	45.01	213	31	16	55	45.5
35	10	6	40	13.1		40	2.71	210	28	16	54	14.0
36	10	7		26.5		40	6.98	225	40	17	1	50.0
37	9	5		46.4		40	45.09	220	25	16	59	12.5
38	10	5	41	8.0		41	6.69	228	13	17	3	6 5
39	9	5		20.0		41	18.69	218	12	16	58	6.0
40	6	5		42.8		41	41.49	223	17	17	0	38.5
41	11	8		54.5		41	25.88	225	59	17	1	59.5
42	10	7	42	10.0		41	50.47	231	00	17	4	30.0
43	10	5		23.0		42	21.69	232	58	17	5	29.0
44	10	5		33.2		42	31.89	235	44	17	6	52.0
45	10	4		47.8		42	55.61	230	38	17	4	19 0
46	10	8	43	16.2		42	47.59	211	52	16	54	56.0
47	11	5		39.0		43	37.69	217	40	16	57	50.0
48	10	6		56 3		43	45.91	224	15	17	1	7.5
49	9	6	44	11.0		44	0.60	236	35	17	7	17.5
50	11	3		31.0		44	47.90	230	00	17	4	0.0
51	9	3		52.0		45	8.89	222	50	17	0	25.0
52	11	5	45	11.2		45	9.89	229	02	17	3	31.0
53	10	4		34.0		45	41.81	214	30	16	56	15.0
54	11	3		48.2		46	5.08	206	58	16	52	29.0
55	11	7	46	28.8		46	9.27	233	32	17	5	46.0
56	10	5	47	4.2		47	2.89	227	42	17	2	51.0
57	10	4		35.5		47	43.31	232	55	17	5	27.5
58	11	5		48.0		47	46.69	234	40	17	6	20.0
59	9	5	48	6.0		48	4.69	228	37	17	3	18.5
60	10	8		23.1		47	54.48	224	17	17	1	8.5
61	10	7		35.0		48	15.48	225	10	17	1	35.0
62	9	4		47.1		48	54.91	225	10	17	1	35.0
63	9	3	49	1.2		49	18.09	227	30	17	2	45.0
64	10	3		15.0		49	31.89	219	47	16	58	53.5
65	11	4		37.8		49	45.61	215	57	16	56	58.5
66	10	5	50	0.0		49	58.69	215	29	16	56	44.5
67	9	6		14.1		50	3.71	224	22	17	1	11.0
68	10	6		29.3		50	18.91	218	51	16	58	25.5
69	10	6		49.0		50	38.61	213	01	16	55	30.5
70	9	3	51	6.8		51	23.68	215	18	16	56	39.0

			m	s	h	m	s			°	'	"	
71	10	3	51	21.0	18	51	37.89	225	14	17	1	37.0	
72	9	4		33.3		51	41.11	228	40	17	3	20.0	
73	10	7		50.2		51	30.67	234	10	17	6	5.0	
74	10	6	52	11.2		52	0.81	218	47	16	58	23.5	
75	8	8		32.2		52	3.59	310	01	16	54	0.5	
76	11	8		58.0		52	29.38	224	29	17	1	14.5	
77	8	4	53	26.2		53	34.01	224	00	17	1	0.0	
78	11	3		56 3		54	13.20	234	20	17	6	10.0	
79	9	4	54	17.0		54	24.81	234	30	17	6	15.0	
80	9	5		32.0		54	30.69	235	30	17	6	45.0	
81	9	3		45.2		55	2.10	233	30	17	5	45.0	
82	10	7	55	1.0		54	41.47	230	42	17	4	21.0	
83	11	4		26.0		55	33.81	218	49	16	58	24.5	
84	10	7		46.2		55	26.69	209	10	16	53	35.0	
85	10	3	56	0.5		56	17.38	213	15	16	55	37.5	
86	8	6		15.2		56	4.82	205	10	16	51	35.0	
..	..	7		24.2		56	4.69	...	..	..	..	...	
87	11	5	57	2.8		57	1.49	223	22	17	0	41.0	
88	10	5		25.0		57	23.69	223	10	17	0	35.0	
89	11	5		37.0		57	35.69	218	22	16	58	11.0	
90	10	5	58	10.0		58	8.69	229	42	17	3	51.0	
91	10	4		32.2		58	40.01	236	03	17	7	1.5	
92	10	8		56.0		58	27.39	214	45	16	56	22.5	
93	9	4	59	13.0		59	20.81	207	33	16	52	46.5	
94	10	5		29.0		59	27.69	223	33	17	0	46.5	
95	9	3		50.0	19	0	6.89	222	35	17	0	17.5	
96	10	4	0	6.0		0	13.81	231	55	17	4	57.5	
97	11	4		32.5		0	40.31	229	10	17	3	35.0	
98	10	5		47.2		0	45.89	229	18	17	3	39.0	
99	9	5	1	9.0		1	7.69	214	49	16	56	24.5	
100	9	4		44.2		1	52.01	224	13	17	1	6.5	
101	9	7	2	7.2		1	47.68	221	48	16	59	54.0	
102	9	8		24.8		1	56.17	233	20	17	5	40.0	
103	10	7		43.0		2	23.48	221	30	16	59	45.0	
104	9	5	3	1.0		2	59.69	223	37	17	0	48.5	
105	9	4		24.0		3	31.80	203	10	16	50	35.0	
106	10	4		41.0		3	48.81	218	11	16	58	5.5	
107	11	8	4	8.2		3	39.57	230	07	17	4	3.5	
108	10	6		31.2		4	20.81	220	18	16	59	9.0	
109	8	4	5	3.9		5	11.71	215	16	16	56	38.0	
...	..	6		22.1		5	11.,1	...	..	..	..	....	
110	9	6		46.0		5	35.62	210	46	16	54	23.0	
111	10	4	6	10.0		6	17.81	217	28	16	57	44.0	
112	11	5		24.0		6	22.69	227	48	17	2	54.0	
113	9	3		39.0		6	55.89	226	40	17	2	20.0	
114	9	3		56.1		7	12.99	229	43	17	3	51.5	dupl. bor.
115	10	3	7	30.0		7	46.88	211	40	16	54	50.0	
116	8	3		47.0		8	3.89	220	03	16	59	1.5	
...	..	4		56.0		8	3.81	..	..	..	..	....	
117	9	5	8	9.1		8	7.79	237	38	17	7	49.0	
118	9	4		31.1		8	38.91	226	10	16	2	5.0	
119	10	6	9	6.0		8	55.61	220	09	16	59	4.5	

			m s	h m s			° ′ ″	
120	9	7	9 25.2	19 9 5.68	226	20	17 2 10.0	
121	9	7	44.0	9 24.48	216	52	16 57 26.0	dupl. praec.
122	9	8	55.0	9 26.38	221	40	16 59 50.0	
123	11	8	10 21.0	9 52.39	213	20	16 55 40.0	
124	11	8	33.0	10 4.40	207	15	16 52 37.5	
125	9	5	49.0	10 47.69	228	43	17 3 21.5	
126	9	4	11 9.2	11 17.01	227	29	17 2 44.5	
127	10	4	25.0	11 32.81	233	10	17 5 35.0	
128	9	4	46.0	11 53.81	208	30	16 53 15.0	
129	10	6	12 51.2	12 40.82	205	42	16 51 51.0	
130	8	5	13 13.2	13 11.89	222	50	17 0 25.0	
131	9	6	33.5	13 23.11	223	07	17 0 33.5	
132	10	8	45.0	13 16.37	228	33	17 3 16.5	
133	9	6	14 5.1	13 54.70	239	50	17 8 55.0	
134	11	6	32.0	14 21.61	218	50	16 58 25.0	
135	11	8	48.2	14 19.60	205	29	16 51 44.5	
136	11	8	15 8.2	14 39.60	207	02	16 52 31.0	
137	11	7	33.2	15 13.68	225	50	17 1 55.0	
138	9	6	49.0	15 38.61	229	28	17 3 44.0	
139	10	6	16 4.0	15 53.61	231	09	17 4 34.5	
140	9	8	40.2	16 11.59	210	31	16 54 15.5	
141	10	7	59.2	16 39.70	202	49	16 50 24.5	
142	11	8	17 23.0	16 54.39	211	47	16 54 53.5	
143	9	6	41.4	17 31.02	204	10	16 51 5.0	
144	11	6	18 14.2	18 3.81	214	58	16 56 29.0	
145	10	8	33.2	18 4.58	218	44	16 58 22.0	
146	9	3	49.6	19 6.49	227	28	17 2 44.0	
147	9	5	19 1.1	18 59.79	229	02	17 3 31.0	
148	9	8	14.2	18 45.57	231	41	17 4 50.5	
149	9	8	30.0	19 1.37	233	11	17 5 35.5	
150	9	5	46.0	19 44.69	222	42	17 0 21.0	
151	9	6	20 1.2	19 50.81	212	15	16 55 7.5	
152	9	7	18.2	19 58.69	212	32	16 55 16.0	
153	10	6	35.0	20 24.61	217	47	16 57 53.5	
154	9	5	55.2	20 53.89	225	10	17 1 35.0	
155	9	4	21 24.8	21 32.61	231	10	17 4 35.0	
156	9	3	48.0	22 4.90	231	02	17 4 31.0	
157	9	7	22 21.0	22 1.49	213	59	16 55 59.5	
158	11	5	47.0	22 45.69	218	40	16 58 20.0	
159	7	3	23 8.0	23 24.89	217	20	16 57 40.0	
...	..	4	17.2	23 25.01	...	..	.. ..	
160	10	4	54.0	24 1.81	236	10	17 7 5.0	
161	11	5	24 25.5	24 24.19	215	22	16 56 41.0	
162	9	5	55.0	24 53.69	215	40	16 56 50.0	
163	10	6	25 29.2	25 18.81	233	15	17 5 37.5	dupl. austr.
164	10	5	26 1.2	25 59.89	235	38	17 6 49.0	
165	9	5	24.0	26 22.69	224	22	17 1 11.0	
...	..	6	33.0	26 22.61	...	..	.. ..	
166	10	4	57.2	27 5.01	228	01	17 3 0.5	
167	9	5	27 47.0	27 45.69	222	10	17 0 5.0	
168	10	5	28 13.0	28 11.69	226	22	17 2 11.0	
169	9	5	27.2	28 25.89	229	08	17 3 34.0	

			m	s	h	m	s			°	'	"
170	10	6	29	2.0	19	28	51.61	212	40	16	55	20.0
171	10	3		29.6		29	46.49	220	22	16	59	11.0
172	9	5		44.0		29	42.69	230	07	17	4	3.5
173	9	4	30	2.0		30	9.81	236	28	17	7	14.0
174	10	4		29.0		30	36.81	223	08	17	0	34.0
175	10	6		54.1		30	43.71	212	25	16	55	12.5
...	..	7	31	3.3		30	43.79	...	..	..	..	....
176	8	7		22.0		31	2.49	214	08	16	56	4.0

Zone 106. **1857. 29. Juli. ☿**

Decl. + 16° 12' bis 16° 22'.

1	11	6	24	13.0	20	24	2.64	148	20	16	23	10.0	
2	9	6		28.1		24	17.74	152	33	16	25	16.5	
3	10	8		58.2		24	29.69	133	00	16	15	30.0	
4	7	6	25	19.6		25	9.25	135	35	16	16	47.5	
.	..	7		29.0		25	9.55	...	..	..	..	....	
5	10	6		42.5		25	32.15	131	20	16	14	40.0	
6	9	4	26	2.5		26	10.28	134	16	16	16	8.0	
7	10	6		22.0		26	11.65	137	50	16	17	55.0	
8	8	4		44.1		26	51.88	138	30	16	18	15.0	
9	11	8	27	18.0		26	49.47	153	48	16	25	54.0	
10	10	6		37.0		27	26.64	150	49	16	24	24.5	
11	10	5		51.0		27	49.70	146	00	16	22	0.0	
12	10	6	28	16.0		28	5.65	137	20	16	17	40.0	
13	10	3		22.0		28	38.83	137	02	16	17	31.0	
14	7	5		42.2		28	40.90	140	00	16	19	0.0	
..	..	6		51.2		28	40.84	...	..	..	..	....	
15	10	6	29	9.8		28	59.45	137	20	16	17	40.0	
16	0	8		21.2		28	52.69	136	50	16	17	25.0	
17	10	5		37.0		29	35.70	143	13	16	20	36.5	
18	10	8		58.0		29	29.49	131	40	16	14	50.0	
19	9	6	30	11.2		30	0.84	149	26	16	23	43.0	
20	10	5		27.2		30	25.90	152	12	16	25	6.0	
21	11	7		46.1		30	26.65	145	20	16	21	40.0	
22	9	4	31	4.0		31	11.78	142	29	16	20	14.5	
23	9	6		16.0		31	5.64	146	03	16	22	1.5	
24	10	7		34.0		31	14.56	131	42	16	14	51.0	
25	10	5		51.5		31	50.20	137	12	16	17	36.0	
26	11	8	32	4.0		31	35.49	131	28	16	14	44.0	
27	10	5		28.3		32	27.00	140	10	16	19	5.0	dupl. praec.
28	9	6		53.0		32	42.65	132	48	16	15	24.0	
29	10	8	33	8.2		32	39.68	142	28	16	20	14.0	
30	9	7		27.3		33	7.85	145	05	16	21	32.5	
31	10	7		51.0		33	31.55	136	28	16	17	14.0	
32	10	6	34	9.0		33	58.65	131	20	16	14	40.0	
33	10	8		25.0		33	56.49	134	40	16	16	20.0	
34	9	6		42.0		34	31.64	138	16	16	18	8.0	
35	10	8		56.0		34	27.48	143	50	16	20	55.0	
36	10	7	35	8.2		34	48.74	153	41	16	25	50.5	
37	10	6		30.0		35	19.65	135	54	16	16	57.0	

			m	s	h	m	s			°	'	"	
38	10	7	35	47.0	20	35	27.55	133	27	16	15	43.5	
39	11	6	36	4.2		35	53.85	134	50	16	16	25.0	
40	11	4		24.1		36	31.88	133	37	16	15	48.5	
41	11	8	37	9.2		36	40.70	128	35	16	13	17.5	
42	11	6		35.0		37	24.65	135	58	16	16	59.0	
43	9	4		52.0		37	59.78	134	16	16	16	8.0	
44	11	6	38	14.2		38	3.84	153	57	16	25	58.5	
45	10	5		36.2		38	34.90	146	58	16	22	29.0	
46	8	5		51.2		38	49.90	147	40	16	22	50.0	
..	..	6	39	0.3		38	49.94	...	..	..	..	....	
47	10	8		30.0		39	1.49	138	25	16	18	11.5	
48	10	4	40	2.0		40	9.79	153	15	16	25	37.5	
49	10	5		22.0		40	20.70	143	46	16	20	53.0	
50	9	3		39.1		40	55 93	146	52	16	22	26.0	
51	10	6	41	3.0		40	52.64	139	36	16	18	48.0	
52	10	5		26.2		41	24.90	128	10	16	13	5.0	
53	9	3		47.0		42	3.82	127	06	16	12	33.0	
54	10	8	42	11.0		41	42.46	156	45	16	27	22.5	
55	11	6		29.0		42	18.64	149	51	16	23	55.5	
56	10	5		47.0		42	45.70	150	48	16	24	24.0	
57	9	6	43	5.0		42	54 64	150	35	16	24	17.5	dupl, praec.
58	9	8		35.8		43	7.28	140	52	16	19	26.0	
59	9	6		49.0		43	38.64	138	18	16	18	9 0	
60	8	8	44	13.0		43	44.47	147	15	16	22	37.5	
61	8	4		24.2		44	31.99	149	49	16	23	54.5	
..	..	5		33.2		44	31.90	...	..	..	..	....	
62	11	5		56.2		44	54 90	141	11	16	19	35.5	
63	11	6	45	16.2		45	5.84	143	25	16	20	42.5	
64	8	4		36.0		45	43.78	145	08	16	21	34.0	
65	11	3	46	8.2		46	25.03	146	12	16	22	6.0	
66	11	5	47	0.0		46	58.70	143	58	16	20	59.0	
67	11	6		18.0		47	7.64	153	03	16	25	31.5	
68	11	6		50.2		47	39.84	149	39	16	23	49.5	
69	10	5	48	11.1		48	9.80	140	53	16	19	26.5	
70	10	7		35.0		48	15.56	127	39	16	12	49.5	
71	10	6		56.0		48	45.64	140	54	16	19	27.0	
72	10	6	49	17.1		49	6.74	147	23	16	22	41.5	
73	10	6		37.0		49	26.64	147	50	16	22	55.0	
74	10	7		53.0		49	33.54	149	10	16	23	35.0	
75	9	5	50	9.0		50	7.70	143	50	16	20	55.0	
76	9	5		30.0		50	28.70	154	19	16	26	9.5	
77	8	3		51.1		51	7.93	143	40	16	20	50.0	
78	9	8	51	20.0		50	51.49	131	03	16	14	31.5	
79	9	7		47.0		51	27.56	128	41	16	13	20.5	
80	6	4	52	4.1		52	11.88	134	00	16	16	0.0	
..	..	5		13.0		52	11.70	...	..	..	..	....	
..	..	6		22.0		52	11.65	...	..	..	..	....	
81	10	8		43.3		52	14.79	135	55	16	16	57.5	

Zone 107. 1857. 12. August. ☿

Decl. + 6° 12′ bis 16° 22′.

Nr.			m	s	h	m	s			°	′	″	
1	9	4	50	46.2	18	50	53.98	134	19	16	16	9.5	
2	11	6	51	13.5		51	3.15	137	29	16	17	44.5	
3	10	4		33.0		51	40.79	151	40	16	24	50.0	
4	9	3		45.1		52	1.94	154	20	16	26	10.0	
5	10	3	52	0.8		52	17.63	147	51	16	22	55.5	
6	10	4		23.0		52	30.78	145	18	16	21	39.0	dupl. seq.
7	10	5		43.5		52	42.20	142	50	16	20	25.0	
8	10	6		54.3		52	43.95	133	32	16	15	46.0	
9	9	5	53	8.0		53	6.70	145	21	16	21	40.5	
10	10	4		22.2		53	29.98	145	38	16	21	49.0	
11	9	8		44.8		53	16.30	127	35	16	12	47.5	
12	9	5		59.8		53	58.50	137	42	16	17	51.0	
13	11	5	54	18.0		54	16.70	133	40	15	15	50.0	
14	10	6		37.8		54	27.44	156	28	16	27	14.0	
15	9	5		59.0		54	57.70	135	30	16	16	45.0	
16	10	5	55	19.1		55	17.80	128	29	16	13	14.5	
17	10	5		40.1		55	38.80	139	30	16	18	45.0	
18	8	6	56	36.1		56	25.75	132	00	16	15	0.0	
..	..	7		45.2		56	25.76	...	..	..	..	....	
19	10	4	57	3.0		57	10.78	127	29	16	12	44.5	
20	10	5		27.5		57	26.20	137	11	16	17	35.5	
21	10	8		46.8		57	18.28	143	44	12	20	52.0	
22	10	8	58	2.0		57	33.47	153	58	16	25	59.0	
23	9	3		16.2		58	33.04	152	10	16	25	5.0	
24	10	5		31.0		58	29.70	142	00	16	20	0.0	
25	10	5		56.8		58	55.50	128	25	16	13	12.5	
26	10	4	59	21.0		59	28.79	148	05	15	23	2.5	
27	9	4		42.2		59	49.98	133	43	16	15	51.5	
28	10	8	0	4.2		59	35.69	130	30	16	14	15.0	
29	9	4		20.0	19	0	27.78	130	29	16	14	14.5	
30	10	4		38.0		0	45.78	127	10	16	12	35.0	
31	10	6		57.8		0	47.45	132	52	16	15	26.0	
32	10	7	1	16.0		0	56.54	148	04	15	23	2.0	
33	10	3		27.1		1	43.94	152	01	16	25	0.5	
34	11	7		50.0		1	30.55	133	20	16	15	40.0	
35	11	3	2	7.0		2	23.82	129	26	16	13	43.0	
36	9	4		20.0		2	27 78	141	30	16	19	45.0	
37	11	7		37.0		2	17.65	145	20	16	21	40.0	
38	10	4	3	0.0		3	7.79	152	03	16	25	1.5	
39	10	5		23.2		3	21.90	129	28	16	13	44.0	
40	9	4	4	30.1		4	37.88	132	40	16	15	20.0	
41	10	5		45.0		4	43.70	130	12	16	14	6.0	
42	10	6	5	4.0		4	53.64	138	34	16	18	17.0	
43	8	4		19.0		5	26.78	133	01	16	15	30.5	
44	8	8		46.0		5	17.47	151	28	16	24	44.0	
45	9	8	6	3.2		5	34.67	148	50	16	23	25.0	
46	10	6		19.1		6	8.75	137	46	16	17	53.0	

			m s	h m s			° ' "	
47	10	5	6 39.0	19 6 37.70	148	35	16 23 17.5	
48	9	4	50.0	6 57.78	147	30	16 22 45.0	
49	9	7	7 4.0	6 44.54	153	11	16 25 35.5	dupl. seq.
50	11	6	28.2	7 17.85	130	57	16 14 28.5	
51	10	6	8 36.0	8 25.64	152	09	16 25 4.5	
52	8	4	54.1	9 1.89	151	38	16 24 49.0	
..	..	5	9 3.4	9 2.10	...	..	.. ..	
53	9	5	24.0	9 22.70	136	38	16 17 19.0	
54	10	7	45.0	9 25.55	144	43	15 21 21.5	
55	9	4	58.0	10 5.78	145	40	16 21 50.0	dupl. austr.
56	11	6	10 25.0	10 14.65	131	21	16 14 40.5	
57	8	3	42.1	10 58.92	130	29	16 14 14.5	
..	..	4	51.2	10 58.98	...	..	.. ..	
58	6	5	11 10.0	11 8.70	129	00	16 13 30.0	
..	..	7	28.0	11 8.56	...	..	.. ..	
59	10	3	52.2	12 9.02	130	32	16 14 16.0	
60	10	6	12 8.0	11 57.64	138	20	15 18 10.0	
61	10	6	13 10.2	12 59.84	151	41	16 24 50.5	
62	10	8	32.0	13 3.47	154	37	16 26 18.5	
63	9	7	55.2	13 35.76	129	18	16 13 39 0	
64	9	3	14 11.8	14 28.62	134	20	16 16 10.0	
65	9	4	28.1	14 35.89	148	33	16 23 16.5	
..	..	5	37.1	14 35.80	...	..	.. ..	
66	9	6	56.0	14 45.64	154	50	16 26 25.0	
67	10	5	15 14.0	15 12.70	130	58	16 14 29.0	
68	10	3	46.0	16 2 84	148	21	16 23 10.5	
69	10	4	16 7.2	16 14.99	153	25	16 25 42.5	
70	11	3	27.2	16 44.02	134	42	16 16 21.0	
71	10	4	45.0	16 52.78	128	03	16 13 1.5	
72	9	5	17 7.8	17 6.50	128	10	16 13 5.0	
73	11	7	28.0	17 8.55	145	00	16 21 30.0	
74	11	6	55.0	17 44.64	139	40	16 18 50.0	
75	10	3	18 22.0	18 38.83	137	28	16 17 44.0	
76	9	3	35.0	18 51.83	139	17	16 18 38.5	
77	11	5	56.0	18 54.70	148	24	16 23 12.0	
78	11	4	19 18.0	19 25.78	143	30	16 20 45.0	
79	9	4	34.2	19 41.98	141	40	16 19 50.0	
80	8	8	51.1	19 22.59	131	45	16 14 52.5	
81	9	3	20 3.0	20 19.82	131	30	16 14 45.0	
82	8	5	22.0	20 20.70	151	00	16 24 30.0	
83	11	8	21 4.0	20 35.49	138	50	16 18 25.0	
84	10	5	24.5	21 23.20	137	56	16 17 58.0	
85	10	3	48.5	22 5.33	141	30	16 19 45.0	
86	10	4	22 11.2	22 18.99	153	12	16 25 36.0	
87	7	3	28.0	22 44.84	151	11	16 24 35.5	
..	..	4	37.0	22 44.79	...	..	.. ..	
88	10	4	23 8.5	23 16.28	128	43	16 13 21.5	
89	10	6	33.3	23 22.94	139	00	16 18 30.0	
90	10	8	52.0	23 23.47	149	48	16 23 54.0	
91	10	7	24 6.2	23 46.75	142	21	16 20 10.5	
92	10	3	30.0	24 46.82	133	22	16 15 41.0	
93	10	7	46.0	24 26.56	126	48	16 12 24.0	

			m s	h m s		° ' "	
94	9	7	25 10.2	19 24 50.75	142 00	16 20 0.0	
95	10	3	30.0	25 46.83	144 35	16 21 17 5	
96	10	6	44.0	25 33.65	135 27	16 16 43.5	
97	9	5	26 7.1	26 5.80	140 50	16 19 25.0	
98	10	4	28.0	26 35.78	144 10	16 21 5.0	dupl. austr.
99	9	5	45.0	26 43.70	153 20	16 25 40.0	
100	8	4	59.1	27 6.88	141 15	16 19 37.5	
...	..	5	27 8.2	27 6.90	... ..	.. ..	
101	10	4	30.2	27 37.98	129 25	16 13 42.5	
102	11	6	58.0	27 47.65	131 21	16 14 40.5	
103	10	6	28 11.2	28 0 84	143 17	16 20 38.5	
104	9	4	31.2	28 38.98	143 09	16 20 34.5	
105	10	4	49.2	28 56.99	153 10	16 25 35.0	
106	9	3	29 16.0	29 32.84	148 03	16 23 1.5	
107	11	7	40.2	29 20.74	148 31	16 23 15.5	
108	10	6	30 10.0	29 59.65	127 41	16 12 50.5	
109	10	5	35.0	30 33.70	147 58	16 22 59.0	
110	10	6	57.0	30 46.64	156 10	16 27 5.0	
111	9	5	31 22.0	31 20.70	149 47	16 23 53.5	dupl. praec.
112	9	4	47.0	31 54.78	146 20	16 22 10.0	
113	5	7	32 6.0	31 46.56	130 55	16 14 27.5	dupl. praec.
...	.	8	15.1	31 46.59	. . ..	.. ..	
114	9	6	47.0	32 36.64	138 14	16 18 7.0	
115	10	4	33 2.0	33 9.78	134 39	16 16 19.5	
116	10	7	28.2	33 8.74	146 46	16 22 23.0	
117	10	8	46.0	33 17 48	144 30	16 21 15.0	
118	10	6	34 4.2	33 53.84	148 39	16 23 19.5	
119	10	8	28.0	33 59.47	152 02	16 25 1.0	
120	10	5	41.0	34 39.70	143 50	16 20 55.0	
121	9	6	35 3.0	34 52.65	134 25	16 16 12.5	
122	9	7	23.0	35 3.56	133 13	16 15 36.5	
123	10	7	51.0	35 31.56	130 40	16 14 20.0	
124	9	5	36 0.0	35 58.70	135 38	16 16 49.0	
125	10	6	20 0	36 9.65	129 50	16 13 55.0	
126	10	4	38.0	36 45.78	142 42	16 20 21.0	
127	9	4	58.0	37 5.79	151 35	16 24 47 5	
128	10	4	37 13.2	37 20.99	149 28	16 23 44.0	
129	11	6	32.0	37 21.64	139 00	16 18 30.0	
130	10	7	52.5	37 33.05	137 10	16 17 35.0	
131	10	3	38 7.2	38 24.03	145 16	16 21 38.0	
132	10	6	24.0	38 13.64	148 51	16 23 25.5	
133	9	5	39.0	38 37 70	154 40	16 26 20.0	
134	10	7	57.8	38 38.35	140 50	16 19 25.0	
135	10	6	39 16.0	39 5.65	135 23	16 16 41.5	
136	10	5	33.0	39 31.70	134 30	16 16 15.0	
137	10	4	48.0	39 55.78	129 11	16 13 35.5	dupl. seq.
138	9	8	40 5.1	39 36.58	145 01	16 21 30.5	
139	10	4	43.0	40 50.78	134 34	16 16 17 0	
140	6	3	41 2.0	41 18.82	134 11	16 16 5.5	
...	..	4	11.0	41 18.78	... ..	.. ..	
141	9	8	33.0	41 4.50	126 55	16 12 27.5	dupl. seq.
142	9	8	53.2	41 24.67	149 40	16 23 50.0	

			m	s	h	m	s			°	'	"	
143	9	6	42	9.2	19	41	58.84	148	05	16	23	2.5	
144	10	4		26.2		42	33.98	241	42	16	19	51.0	
145	10	5		45.1		42	43.80	131	58	16	14	59.0	
146	9	3	43	5.1		43	21.93	136	40	16	17	20.0	
147	10	3		32.0		43	48.84	148	18	16	23	9.0	
148	11	5		58.0		43	56.70	134	00	16	16	0.0	
149	10	4	44	24.0		44	31.78	134	48	16	16	24.0	
150	8	4		41.2		44	48.98	133	56	16	15	58.0	
...	..	5		50.1		44	48.80	...	..	..	..	....	
151	10	5	45	6.0		45	4.70	133	57	16	15	58.5	
152	11	3		34.5		45	51.33	137	03	16	17	31.5	

Zone 108. 1837. 13. August. ♃

Decl. + 16° 32′ bis 16° 42′.

			m	s	h	m	s			°	'	"	
1	9	7	22	11.0	19	21	51.51	189	49	16	43	54.5	
2	10	3		25.2		22	42.06	180	49	16	39	24.5	
3	11	8		39.2		22	10.63	182	32	16	40	16.0	
4	10	4	23	0.0		23	7.79	176	43	16	37	21.5	
5	10	8		17.5		22	48.94	172	03	16	35	1.5	
6	10	7		36.1		23	16.61	181	15	16	39	37.5	
7	11	8	24	3.5		23	34.93	184	49	16	41	24.5	
8	11	7		30.0		24	10.52	177	20	16	37	40.0	
9	9	4		41.1		24	48.90	182	00	16	40	0.0	dupl. seq.
10	10	4	25	0.8		25	8.60	188	35	16	43	17.5	
11	10	7		23.0		25	3.52	171	16	16	34	38.0	
12	10	3		39.0		25	55.85	174	50	16	36	25.0	
13	10	6		57.0		25	46.63	181	07	16	39	33.5	
14	10	8	26	7..		25	38...	186	10	16	42	5.0	
15	8	5		38.8		26	37.49	190	23	16	44	11.5	
..	..	6		47.8		26	37.42	...	..	..	..	....	
16	10	8	27	1.5		26	32.92	187	06	16	42	33.0	
17	8	6		23.0		27	12.62	193	40	16	45	50.0	
18	9	4		49.0		27	56.80	191	32	16	44	46.0	
19	8	4	28	23.0		28	9.80	180	29	16	39	14.5	
..	..	5		12.2		28	8.89	...	..		..	....	
20	10	4		28.0		28	35.79	175	40	16	36	50.0	
21	9	5	.	45.0		28	43.69	183	13	16	40	36.5	
22	10	8	29	9.0		28	40.44	179	29	16	38	44.5	
23	10	8		19.0		28	50.44	173	38	16	35	49.0	
24	9	8		36.0		29	7.44	172	20	16	35	10.0	
25	10	7		48.0		29	28.52	175	28	16	36	44.0	
26	10	6	30	7.0		29	56.63	173	08	16	35	34.0	
27	10	3		19.0		30	35.86	178	14	16	38	7.0	
28	9	4		31.0		30	38.79	172	39	13	35	19.5	
29	10	8		50.0		30	21.42	194	10	16	46	5.0	
30	9	4	31	11.1		31	18.80	185	04	16	41	32.0	
31	10	6		25.5		31	15.13	175	58	16	36	59.0	
32	10	6		39.2		31	28.83	170	47	16	34	23.5	
33	10	8		51.3		31	22.73	183	00	16	40	30.0	dupl. seq.
34	10	4	32	17.0		32	24.80	179	38	16	38	49.0	

			m s	h m s			° ' "	
35	9	4	32 33.3	19 32 41.10	190	04	16 44 2.0	
36	10	4	56.0	33 3.79	177	50	16 37 55.0	
37	9	7	33 10.0	32 50.52	170	50	16 34 25.0	
38	10	3	20.2	33 37.05	174	08	16 36 4.0	
39	9	4	36.2	33 43.99	176	38	16 37 19.0	
40	10	8	54.0	33 25.43	179	10	16 38 35.0	dupl. bor.
41	9	5	34 12.0	34 10.69	173	32	16 35 46.0	
42	9	5	32.0	34 30.69	180	29	16 39 14.5	
43	10	5	49.0	34 47.69	189	20	16 43 40.0	
44	10	4	35 9.4	35 17.20	181	10	16 39 35.0	
45	8	3	26.2	35 43.06	178	52	16 38 26.0	
..	..	4	35.4	35 43.19	...	..	.. ..	
46	10	4	56.0	36 3.80	182	23	16 40 11.5	
47	10	8	36 17.0	35 48.44	174	49	16 36 24.5	tripl. seq.
48	10	7	42.0	36 22.52	177	27	16 37 43.5	
49	10	4	59.0	37 6.79	175	15	16 36 37.5	
50	10	5	37 13.0	37 11.69	184	24	15 41 12.0	
51	9	8	28.0	36 59.43	182	55	16 40 27.5	
52	9	7	44.2	37 24.71	189	30	16 43 45.0	
53	10	6	38 4.0	37 53.63	180	01	16 39 0.5	
54	10	5	26.2	38 24.89	179	17	16 38 38.5	
55	10	3	42.5	38 59.36	183	20	16 40 40.0	
56	10	3	39 1.1	39 17.96	183	08	16 40 34.0	dupl seq.
57	10	7	31.2	39 11.73	165	28	16 31 44.0	
58	9	5	53.5	39 52.19	170	10	16 34 5.0	
59	10	4	40 6.0	40 13.79	169	51	16 33 55.5	
60	9	6	19.0	40 8.63	172	50	16 37 55.0	
61	10	8	30.1	40 1.53	183	58	16 40 59.0	
62	10	7	48.0	40 28.51	184	02	16 41 1.0	
63	8	4	41 4.3	41 12.10	180	21	16 39 10.5	
64	10	5	23.5	41 22.19	175	13	16 36 36.5	
65	9	8	59.5	41 30.94	172	52	16 35 26.0	
66	9	5	42 20.2	42 18.89	182	06	16 40 0.0	
67	10	4	49.1	42 56.89	166	59	16 32 29.5	
68	10	3	43 40.2	43 57.06	185	50	16 41 55.0	
69	10	6	44 0.1	43 49.73	183	08	16 40 34.0	
70	11	6	27.5	44 17.13	180	27	16 39 13.5	
71	10	5	45 5.0	45 3.69	171	38	16 34 49.0	
72	8	3	24.2	45 41.06	179	43	16 38 51.5	
73	10	6	44.2	45 33.83	181	35	16 39 47.5	
74	10	7	46 7.0	45 47.52	171	25	16 34 42.5	
75	9	3	20.0	46 36.85	169	08	16 33 34.0	
76	10	7	47.0	46 27.51	180	25	16 39 12.5	
77	11	4	47 0.0	47 7.80	182	21	16 40 10.5	
78	8	7	27.1	47 7.60	191	33	16 44 46.5	
79	10	4	48 1.2	48 9.00	187	21	16 42 40.5	
80	10	5	23.2	48 21.89	182	01	16 40 0.5	
81	10	4	36.5	48 44.30	179	33	16 38 46.5	
82	9	6	58.0	48 47.63	174	50	16 36 25.0	
83	10	4	49 12.0	49 19.79	173	52	16 35 56.0	
84	10	5	37.0	49 35.69	183	27	16 40 43.5	
85	10	5	57.0	49 55.69	181	10	16 39 35.0	

			m s	h m s			° ′ ″	
86	9	8	50 15.8	19 49 47.22	191	24	16 44 42.0	
87	8	8	32 3	50 3.72	193	17	16 45 38.5	
88	10	7	49.0	50 29.52	179	35	16 38 47.5	
89	10	4	51 2.0	51 9.79	174	08	16 36 4.0	
90	10	6	16.0	51 5.63	169	08	16 33 34 0	
91	10	8	27.0	50 58.43	181	08	16 39 34.0	
92	9	4	41.5	51 49.29	176	58	16 37 29.0	
93	10	7	57.0	51 37.51	182	40	16 40 20.0	
94	9	5	52 23.0	52 21.69	181	01	16 39 30.5	
95	10	8	35.0	52 6.42	186	23	16 42 11.5	
96	10	5	53.1	52 51.79	182	58	16 40 29.0	
97	8	6	53 9.1	52 58.73	174	00	16 36 0.0	
..	.	7	18.1	52 58.62	...	..	.. ..	
98	9	6	38.0	53 27.63	174	11	16 36 5.5	
99	10	7	54 5.0	53 45.52	177	39	16 37 49.5	
100	10	7	20.0	54 0.51	181	00	16 39 30.0	
101	9	7	36.8	54 17.30	192	20	16 45 10.0	
102	9	5	58.0	54 56.69	180	13	16 39 6.5	
103	10	3	55 12.0	55 28.86	183	12	16 40 36.0	
104	9	6	34.0	55 23.62	189	18	16 43 39.0	
105	10	5	49.0	55 47.69	184	40	16 41 20.0	
106	8	5	56 5.2	56 3.89	179	45	16 38 52.5	
107	9	6	25.0	56 14.63	183	42	16 40 51.0	
108	6	7	38.0	56 18.51	188	05	16 43 2.5	
109	6	8	57.2	56 28.63	182	48	16 40 24.0	
110	10	4	57 13.0	57 20.80	191	45	16 44 52.5	
111	10	6	34.0	57 23.63	166	15	16 32 7.5	
112	10	3	56.0	58 12.85	173	30	16 35 45.0	
113	10	7	58 19.1	57 59.52	177	20	16 37 40.0	
114	8	8	37.0	58 8.42	189	39	16 43 49.5	
115	10	4	59 2.0	59 9.80	182	57	16 40 28.5	
116	9	4	16.0	59 23.80	190	46	16 44 23.0	
117	10	3	30.1	59 46.96	189	20	16 43 40.0	
118	8	5	48.2	59 46.89	174	40	16 36 20.0	
119	8	3	0 11.0	20 0 27.85	177	05	16 37 32.5	
120	9	7	34.5	0 15.01	181	58	16 39 59 0	dupl. austr.
121	10	4	59.2	1 6.99	168	42	16 33 21.0	
122	9	4	1 31.5	1 39.30	191	52	16 44 56.0	
123	10	6	56.5	1 46.13	175	33	16 36 46.5	
124	9	4	2 29.0	2 36.80	189	00	16 43 30.0	
125	10	5	46.2	2 44.89	181	15	16 39 37.5	
126	9	3	3 5.0	3 21.87	190	50	16 44 25.0	
127	10	5	51.0	3 49.69	189	08	16 43 34.0	

Luft nicht ganz rein, Sterne unruhig.



METEOROLOGISCHE
BEOBACHTUNGEN
IM JAHRE 1867.

Jänner 1867.

Datum	6 Uhr Morgens					2 Uhr Abends				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	"	°	"'			"	°	"'		
1	27.051	+1.2	2.1	S 0	S.N. 4	26.948	+1.4	2.2	S 1	S.N. 4
2	27.043	+0.6	1.9	WNW 1	F. 1	27.034	+1.6	1.8	WNW 1	S.FS. 3
3	27.079	—0.2	1.8	NW 0	FS.F. 2	27.219	+2.2	1.4	NW 2	S.FS. 3
4	27.470	—1.8	1.6	WNW 0	FS.N. 2	27.499	+0.1	2.0	O 0	F.N. 3
5	27.561	—4.7	1.2	NW 1	F.N. 1	27.654	—1.6	1.6	NNW 2	FS. 3
6	27.880	—6.7	1.0	NW 0	0	27.801	—4.6	1.1	SSO 1	S.FS. 2
7	27.632	—5.6	1.3	O 1	tr. 4	27.666	—4.5	1.3	O 2	S. 4
8	27.492	—5.0	1.3	SSO 2	S.FS. 4	27.397	—3.5	1.5	SSO 2	S.FS. 3
9	27.415	—4.0	1.4	S 1	tr. 4	27.178	—0.8	1.9	S 1	S.N. 4
10	27.110	—0.4	1.9	S 1	N. 4	27.039	+0.8	2.1	S 1	N. 4
11	27.193	+1.8	2.1	WSW 0	S.FS. 3	27.150	+4.3	2.5	SSW 0	F.N. 3
12	26.921	+0.6	2.0	WNW 1	tr. 4	27.245	+0.5	1.8	N 2	tr. 4
13	27.287	—1.6	1.7	SSO 1	FS F 4	27.170	0.0	2.0	SSO 1	S.FS. 3
14	27.280	—1.2	1.7	NW 0	S.N. 4	37.305	—0.7	1.9	N 1	S.N. 4
15	27.253	+0.1	1.9	SSW 0	S.N. 4	27.158	+6.0	2.4	S 0	S.FS. 3
16	26 964	+3.2	2.3	SSW 0	S.FS. 4	26.987	+4.8	2.3	NW 1	FS.H. 3
17	27.158	—2.6	1.6	WNW 2	S. 4	27.200	0.0	2.0	WNW 1	S. 4
18	27.290	—2.4	1.6	SO 0	S.N. 4	27.268	—0.5	1.8	NO 0	F.N. 3
19	27.170	—2.0	1.6	NW 3	S. 4	27.303	0.0	1.9	NW 3	FS. 2
20	27.528	—4.6	1.3	NW 1	F.N. 1	27.453	—3.8	1.4	NO 0	S.N. 4
21	27.403	—4.1	1.4	NW 0	S.N. 4	27.400	—3.6	1.5	NW 1	tr. 4
22	27.540	—5.4	1.2	NW 0	FS.F. 2	27.640	—2.6	1.6	NW 1	S. 4
23	27.832	—7.2	1.0	W 0	N. 1	27.726	—1.3	1.9	S 0	S.N. 4
24	27.682	—2.7	1.6	SO 0	N 4	27.617	—0.7	1.9	SSO 1	S.N. 4
25	27.457	—3.8	1.2	SO 1	S.N. 4	27.385	—1.0	1.8	SSO 1	S.N. 0
26	27.452	—1.0	1.8	ONO 0	S.N. 4	27.498	+3.5	2.3	NW 1	S. 4
27	27.716	+2.7	1.9	NW 1	F. 1	27 576	+4.7	2.3	SW 0	S.N. 4
28	27.516	+5.2	2.8	NW 1	tr. 4	27.640	+7.2	3.1	NW 0	HS. 4
29	27.518	+2.4	2.5	SSW 0	N. 4	27.607	+6.4	3.2	NW 2	HS. 4
30	27.709	+5.2	2.3	NW 2	S.N. 4	27.657	+7.0	2.4	WNW 2	S.FS. 4
31	27.454	+2.0	2.2	NO 0	S.N 4	27.413	+8.4	2.7	WNW 3	HS. 4
M	27.389	—1.35	1.72	0.6	3.2	27.446	+0.96	1.99	1.1	3.5

Jänner 1867.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen
‴	°	‴			°	°	‴	
27.067	+2.4	2.0	NW 0	S.N. 4	+ 3.3	− 0.4	0.20	Mgs. Rg. und Schnee.
27.068	+0.1	1.9	SW 0	N 3	+ 2.2	− 1.1	......	Reif. ☾ Hof.
27.415	+0.2	1.6	NW 1	N 3	+ 2.6	− 2.0	......	Reif
27.552	−1.2	1.5	NNW 0	N 3	+ 0.3	− 5.1	......	Reif
27.810	−4.1	1.1	NNW 1	F.N 3	− 1.4	− 7.0	......	Reif Schnee Höhennebel.
27.698	−6.8	0.9	SSO 3	0	− 4.2	− 7.2	......	Reif 2½h Ab. 2 Nebens.
27.633	4.6	1.3	SSO 2	F. 1	− 4.2	− 6.0	6.50*	Schneegestöber.
27.409	−4.3	1.4	S 1	tr. 4	− 3.0	− 5.3	1.40	Schnee Abds. Reg. Glatteis
27.160	−0.2	1.9	S 0	tr. 4	+ 0.2	− 4.0	3.25	Abds. Schnee u. Reg.
27.144	+3.2	2.4	W 0	tr. 4	+ 3.8	− 1.4	0.20	7h Ab. schw. Rg.
27.021	+1.0	1.3	S 0	N. 4	+ 5.1	+ 0.2	2.90	Nachts Rg.
27.329	−1.7	1.8	NW 0	tr. 4	+ 1.4	− 1.7	0.75*	Mgs. Schneegestöber
27.102	−0.2	1.8	NW 0	tr. 4	+ 0.3	− 1.8	0.25	Abds. Reg. u. Schnee
27.257	−0.6	1.8	S 0	N. 4	+ 0.2	− 1.2	1.25	Nebel Schnee Regen Glatteis
27.055	+2.7	2.2	SO 0	S. 4	+ 6.6	− 0.2	......	
27.120	−0.7	1.5	NW 2	tr. 4	+ 6.8	− 3.1	......	schw. Rg.
27.247	−2.0	1.6	SSW 0	FS.F. 3	+ 0.4	− 3.3	0.15*	Schnee.
27.243	−0.4	1.9	N 0	tr. 4	+ 0.2	− 2.4	12.05*	Nachts Schnee
27.503	−2.9	1.5	WNW 2	0	+ 0.4	− 5.2	2.25*	Mgs. Schneegestöber
27.445	- 5.4	1.2	NNO 0	S.N. 4	− 3.5	− 6.8	......	☾ Hof.
27.453	−4.7	1.5	N 1	tr. 4	− 3.0	− 5.6	......	Schneeflocken
27.803	−4.7	1.3	WNW 1	FS.F 1	− 2.5	− 7.6	......	Schneeflocken
27.681	−2.6	1.6	SSO 0	tr. 4	- 1.1	− 7.7	2.20	5—9h. Ab. Schnee.
27.571	−3.2	1.6	SO 0	N. 3	− 0.5	− 4.3	......	Nrg. Glatteis.
27.426	−1.4	1.7	SO 0	N. 4	− 0.6	− 3.5	1.00	Nrg.
27.610	+3.8	2.0	NW 3	F. 1	+ 4.3	− 1.1	0.45	Rg.
27.460	+4.8	2.6	WNW 3	tr. 4	+ 6.1	+ 2.2	3.00	⊙ Hof 2 Nebens. Nchts. Reg.
27.713	+2.5	2.4	SSW 0	N. 4	+ 7.7	+ 2.1	1.55	Mrgs. Reg.
27.726	+5.8	2.4	NW 1	N. 4	+ 6.7	+ 2.4	1.25	Mrgs. Reg.
27.649	+5.7	2.5	SO 0	F.N. 2	+ 7.5	+ 1.5	......	Mrgr. Ab. Rg.
27.605	+4.1	2.5	NW 3	N. 4	+ 8.9	+ 1.7	0.75	Nachts Regen.
27.418	−0.49	1.76	0.8	3.2				

Februar 1867.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.773	+3.0	2.0	NW 2	FS.F. 3	27.865	+4.5	2.1	NNW 2	HS 4
2	28.036	+0.7	2.0	NW 0	FS.N. 2	27.932	+4.7	2.4	S 0	F FS. 3
3	27.911	+3.4	2.2	NW 1	FS.F. 3	27.949	+5.8	2.0	WNW 2	H 3
4	27.929	+1.1	1.9	W 0	0	27.763	+4.8	1.9	SO 1	0
5	27.438	—1.2	1.6	S 0	FS.F. 2	27.438	+1.5	1.9	NW 1	S.N. 4
6	27.225	+0.6	2.0	S 1	F.N. 2	27.005	+4.2	2.5	SSO 1	S. 4
7	27.067	+4.8	2.2	W 0	S. 4	27.093	+5.2	2.1	WNW 2	HS 4
8	27.515	+1.6	1.8	NW 2	FS.H 2	27.458	+5.0	1.8	WNW 1	S 4
9	27.268	+9.2	2.9	WNW 3	HS. 3	27.402	+7.2	2.9	WNW 2	HS. 4
10	27.754	+4.4	2.1	NW 0	0	27.843	+7.8	1.9	NW 1	H.FS 1
11	27.785	0 0	1.9	SSO 0	F.N. 1	27.642	+5.6	2.8	S 1	F.FS 2
12	27.818	+3.2	1.9	WNW 0	FS.F 4	27.854	+4.6	2.2	NW 2	S.FS. 3
13	28.008	+0.6	2.0	NO 0	N. 4	28.100	+3.0	2.2	S 1	HS 4
14	28.069	—0.5	1.9	N 0	0	28.059	+4.4	2.4	N 1	0
15	28.014	+1.3	2.2	SSO 1	N. 4	27.917	+7.2	2.9	SO 3	F 1
16	27.870	+2.4	2.5	SSO 2	N. 4	27.843	+3.2	2.6	SSO 0	N 4
17	27.774	+2.3	2.3	SSO 0	N. 4	27.734	+4.4	2.8	SSO 0	N 4
18	27.838	+2.0	2.4	WNW 0	N. 4	27.909	+7.3	3.3	NW 1	S.FS. 3
19	28.192	+0.6	1.8	OSO 0	FS.F. 3	28.148	+5.2	2.0	SO 0	0
20	28.050	+0.3	1.9	S 0	F. 1	28.012	+7.0	2.5	S 0	S.FS 3
21	28.009	+2.7	2.4	S 0	F.N. 3	28.034	+6.6	2.7	NNW 1	S.FS 3
22	27.921	+5.8	2.4	WNW 2	FS.F. 3	27.833	+7.8	2.5	WNW 3	S.FS. 3
23	27.716	+5.4	2.4	NW 3	FS.F. 3	27.606	+7.0	2.4	WNW 4	FS.H 3
24	27.719	+4.1	2.2	NW 2	FS.H. 3	27.750	+6.6	2.0	NNW 3	H 3
25	27.573	+4.8	2.3	NW 3	S. 4	27.455	+7.6	2.4	NW 4	FS.H 3
26	27.403	+5.8	2.3	NW 1	S. 4	27.121	+8.5	2.8	WNW 4	HS 3
27	27.414	+1.0	1.6	WNW 1	F. 1	27.474	+3.9	1.6	NW 3	S.FS 3
28	27.601	—1.4	1.6	WNW 1	FS.F. 2	27.637	+0.4	1.8	N 2	S.FS. 3
M	27.739	+2.43	2.10	0.9	2.6	27.710	+5.39	2.34	1.7	2.9

Februar 1867.

10 Uhr Abends								Anmerkungen.
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	
''	°	'''			°	°	'''	
27.997	+2.7	2.0	NNW 1	FN. 2	+ 5.2	+ 0.5	......	Mgs. Schnee u. Rg.
27.870	+4.4	2.8	NW 2	tr. 4	+ 5.4	+ 0.6	2.20	Reif; Abds. Rg.
27.959	+3.0	2.0	WNW 2	0	+ 6.2	+ 0.8	......	
27.616	+0.2	1.8	S 0	0	+ 5.0	− 1.4	......	Reif, N.
27.465	−0.2	1.9	WSW 0	N. 2	+ 2.2	− 1.3	......	Reif, Mrgr.
27.010	+5.8	2.8	WSW 1	tr. 4	+ 7.2	+ 1.2	0.64	Reif, Mrgr. öfter Rg. Abdr.
27.394	+2.7	2.0	NW 2	0	+ 5.5	+ 1.1	0.25	öfter schw. Rg.
27.283	+7.2	2.5	NW 4	tr. 4	+ 9.8	+ 0.3	0.20	Schnee, Nachts Rg. Str. NW
27.597	+5.8	2.6	W 2	FS.F. 3	+10.2	+ 4.1	9.00	Rg. ☾Hof
27.897	+3.4	2.4	W 0	0	+ 8.5	− 0.2	......	
27.725	+6.6	2.5	NW 3	S.FS. 4	+ 7.7	+ 0.2	0.15	Reif, Nchts.schw.Rg.
27.883	+2.3	2.1	NW 1	tr. 4	+ 5.8	− 0.5	0.54	öfter Rg.
28.126	+1.0	1.9	SO 1	0	+ 3.6	− 1.0	......	Reif, dichter Nebe l.
28.097	+2.6	2.4	N 1	tr. 4	+ 5.3	− 0 6	......	Reif, Höhennebel.
27.904	+4.2	2.6	SO 2	FS.H. 3	+ 7.8	+ 1.2	......	Höhennebel, Abdr.
27.820	+3.8	2.7	SO 0	N. 4	+ 4.4	+ 1.8	......	
27.799	+3.6	2.5	NW 0	S.N. 4	+ 4.7	+ 1.8	......	Nrg.
28.111	+3.2	2.3	N 2	S.FS. 4	+ 7.7	+ 0.4	0.20	Mittgs. schw. Rg.
28.108	+2.4	2.2	S 1	FS.F. 3	+ 6.8	+ 0.1	......	Mrgr. ☾Hof (kl.)
28.021	+3.4	2.3	S 0	S.FS. 4	+ 7.4	+ 0.5	0.22	Reif Ab. öfter schw. Reg. Ab. schw. Rg.
28.027	+5.0	2.7	NW 1	N. 4	+ 7.7	+ 2.5	......	
27.819	+5.8	2.4	NW 2	N. 4	+ 8.3	+ 4.7	0.36	öfter Rg. Str. WNW.
27.698	+5.4	2.1	NNW 3	0	+ 7.4	+ 3.5	2.94	Str. WNW. Ab. öfter Rg.
27.718	+4.7	2.5	NW 1	tr. 4	+ 6.8	+ 2.6	1.30	Rg. u. Schnee.
27.525	+6.8	2.4	NW 2	HS. 4	+ 8.0	+ 4.5	1.60	Str. WNW. Ab. Rg. u. Hgl.
27.325	+2.1	2.0	NW 3	FS.F. 3	+ 8.7	+ 0.4	2.72	Str. WNW. Rg. u. Hgl.
27.548	+1.0	1.6	NW 3	tr. 4	+ 4.3	− 1.7	0.50*	Reif, Nachts Schnee.
27.688	−1.4	1.6	NNW 0	tr. 4	+ 0.5	− 3.6	......	7½h Mgs. ⊙Säule in regenb. Farben; Schneefl.
27.751	+3.48	2.27	1.4	2.9			22.82	

März 1867.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter
	''	°	'''			''	°	'''		
1	27.735	−3.2	1.3	N 1	FS. 3	27.819	−0.6	1.3	NO 2	FS.F. 3
2	28.040	−4.0	1.2	N 1	FS.F. 2	28.098	−0.5	1.7	N 1	H. 3
3	28.167	−4.2	1.4	NNW 0	0	28.072	−0.4	1.7	N 1	HS. 4
4	27.971	−4.4	1.5	N 0	0	27.865	+1.3	0.7	O 0	0
5	27.471	−2.0	1.6	NW 0	FS.F. 3	27.284	+2.2	2.2	WNW 3	S. 4
6	27.262	−1.1	1.8	NW 0	N. 4	27.241	+0.4	1.8	SO 1	S. 4
7	27.238	−0.2	1.9	S 1	tr. 4	27.286	+2.4	2.1	SO 2	S. 3
8	27.304	+1.4	2.1	S 1	N. 4	27.188	+9.0	2.7	S 2	FS. 2
9	27.118	+6.0	2.8	W 1	S. 4	27.133	+10.3	3.1	NW 1	FS.H. 3
10	27.270	+0.7	2.0	NNO 0	SN. 4	27.161	+3.0	2.6	NO 0	N. 4
11	27.041	+5.2	2.9	W 1	SN. 4	27.067	+9.6	3.0	WNW 3	H. 3
12	27.246	+6.4	2.8	NW 1	FS. 3	27.256	+4.0	2.9	N 0	S. 4
13	27.474	−3.2	1.3	NNW 2	FS.F. 4	27.590	−2.2	1.5	N 2	HS. 3
14	27.518	−6.2	1.1	OSO 0	FS.F. 3	27.352	+0.8	1.5	SO 3	FS.H. 2
15	27.219	−0.2	1.9	S 0	tr. 4	27.164	+6.9	3.0	WNW 1	S. 4
16	27.326	+0.4	1.8	N 1	N 4	27.333	+1.3	2.0	N 0	SN. 4
17	27.406	−0.4	1.8	NW 1	S.FS. 4	27.424	+2.2	1.5	N 1	H.FS. 3
18	27.552	−2.4	1.4	NNO 1	tr. 4	27.475	−1.1	1.7	S 2	S. 4
19	27.410	−3.2	1.4	SSO 2	tr. 4	27.335	−1.0	1.7	S 2	tr. 4
20	26.998	+0.4	2.0	SSO 1	tr. 4	26.993	+4.3	2.8	S 0	tr. 4
21	27.174	+2.3	2.3	SW 0	N. 1	27.134	+10.5	3.7	S 0	FS.H. 2
22	27.504	−0.4	1.3	N 1	S.FS. 4	27.590	+1.7	1.5	N 1	F. 1
23	27.727	−1.7	1.6	N 1	FS.F. 2	27.753	+3.1	1.9	SO 1	S. 4
24	27.720	+0.3	1.8	S 0	0	27.611	+7.5	2.1	SO 3	FS. 1
25	27.712	+1.4	1.9	SO 1	FS.F. 4	27.692	+8.7	2.4	S 0	S.FS. 3
26	27.603	+0.2	1.7	SSO 1	F. 1	27.474	+10.5	2.4	SSO 2	F. 2
27	27.357	+3.8	2.1	SSO 1	S. 1	27.298	+10.2	2.4	S 3	F. 1
28	27.015	+7.8	2.9	S 2	S. 4	27.002	+9.3	3.6	SO 2	S.FS. 4
29	27.225	+5.4	2.9	W 2	FN. 4	27.198	+10.4	3.5	S 1	H. 3
30	27.324	+6.2	3.4	NO 0	N. 4	27.314	+9.8	3.5	NW 1	HS. 4
31	27.436	+5.4	2.6	WNW 0	S.FS. 4	27.401	+8.7	2.4	NW 1	HS. 4
M	27.438	+0.53	1.95	0.8	3.2	27.407	+4.61	2.29	1.3	3.0

März 1867.

10 Uhr Abends									
Bar. 0°	Therm. Réaum.	Expans.	Wind		Wetter	Max.	Min.	Ombr.	Anmerkungen.
''	°	'''				°	°	'''	
27.956	— 2.4	1.5	N 1	SH. 4		— 0.3	— 4.5	......	⊙Hof Nachts Schnee
28.182	— 3.0	1.3	N 1	0		+ 0.0	— 4.4	......	
28.033	— 2.8	1.5	N 1	0		+ 0.2	— 4.8	......	Reif
27.692	— 1.3	1.7	OSO 0	N. 1		+ 1.5	— 4.3	.....	Reif
27.270	— 0.2	2.0	NW 0	FS.F. 2		+ 2.5	— 2.2	......	Reif, Schnee
27.225	+ 0.2	1.9	SSO 0	tr. 4		+ 1.5	— 1.0	0.15*	Reif, Schnee
27.321	+ 2.4	2.2	S 1	HN. 3		+ 4.1	+ 0.2	......	Schnee, Abdr.
27.112	+ 6.4	2.7	S 2	HN. 3		+ 9.6	+ 1.3	......	Reif, N.
27.268	+ 6.1	2.9	NW 1	tr. 4		+10.7	+ 0.3	0.78	öfter schw. Rg.
27.120	+ 3.4	2.5	SSO 1	tr. 4		+ 7.3	+ 0.6	1.40	V. Mittg. an öfter Rg.
27.178	+ 7.7	3.0	NW 3	SH. 3		+ 9.8	+ 6.0	0.15	öfter schw. Rg. $7\frac{1}{2}^h$ Regbg
27.274	+ 0.3	1.8	N 2	tr. 4		+ 4.8	— 3.6	1.44	Mrgr. Rg. Nachts Schnee
27.647	— 5.5	1.1	NNO 0	0		— 1.7	— 6.7	......	
27.304	— 0.4	1.9	S 2	tr. 4		+ 0.8	— 3.5	1.00*	3^h Ab. ⊙Hof; Nachts Schnee.
27.700	+ 1.6	2.0	N 0	tr. 4		+ 7.4	+ 0.2	2.45	öfter Regen
27.367	+ 0.6	2.0	N 0	tr. 4		+ 1.8	— 1.1	0.40*	Abends Schnee
27.544	— 0.8	1.8	N 1	FS. 3		+ 2.4	— 2.6	......	☾ Hof
27.458	— 3.5	1.4	SO 4	tr. 4		— 0.6	— 4.0	0.14*	Schneegest. Ab. Str. SO.
27.237	— 0.4	1.9	SO 2	tr. 4		+ 1.6	— 3.1	1.60	Schnee Nachts Rg. Glatteis
27.183	+ 5.4	2.9	WNW 1	FS.F. 4		+ 5.5	+ 1.2	3.40	Rg 6^h Ab. Rgbg Abds ☾Hof (kl)
27.336	+ 2.4	2.0	N 2	S. 4		+11.2	— 0.6	......	Rg. $7-7\frac{1}{2}^h$ Mgs. d. Nebel
27.672	0.0	1.9	N 0	N. 1		+ 2.2	— 2.1	......	Mgs. Schneeflocken
27.730	+ 1.6	1.8	S 0	0		+ 3.6	— 0.4	......	Reif, Schneeflocken
27.632	+ 3.2	2.1	SSO 3	F. 1		+ 8.1	+ 0.6	......	Reif, Str. SO.
27.676	+ 4.4	2.0	S 0	0		+ 9.2	— 0.1	......	
27.379	+ 6.8	2.1	S 2	F. 1		+10.7	+ 2.4	......	Reif Mrgr.
27.066	+ 9.2	2.2	S 3	FH.N. 2		+10.9	+ 4.2	......	$3\frac{1}{2}^h$ Ab. ⊙Hof; Str. S.
27.200	+ 7.3	2.9	WNW 1	FS.F. 3		+10.5	+ 5.2	1.20	öfter Rg.
27.296	+ 6.4	3.3	SO 0	HN. 4		+10.8	+ 5.8	......	schw. Rg.
27.425	+ 6.6	3.1	NW 1	tr. 4		+10.0	+ 4.7	1.45	Nrg. Nachts Regen
27.519	+ 4.6	2.2	NW 2	tr. 4		+ 8.8	+ 2.3	.....	8^h Mrg. schw. Reg.
27.439	+2.14	2.12	1.2	2.7				15.56	

April 1867.

Datum	6 Uhr Morgens							2 Uhr Nachmittags						
	Bar. 0°	Therm. Réaum.	Expans.	Wind		Wetter		Bar. 0°	Therm. Réaum.	Expans.	Wind		Wetter	
	'''	°	'''					'''	°	'''				
1	27.653	+ 2.4	1.9	NW	2	FS.F.	3	27.708	+ 5.7	1.8	N	3	HS.	4
2	27.857	+ 1.4	1.7	NW	1	FS.F.	2	27.711	+ 7.1	1.7	NW	2	F.	1
3	27.432	+ 3.8	2.4	WNW	2	tr.	4	27.421	+ 8.0	3.0	WNW	2	HS.	3
4	27.507	+ 4.3	1.9	NNW	2	S.FS.	3	27.415	+ 8.5	2.9	NW	3	HS.	3
5	27.139	+ 6.4	2.7	WNW	3	SH.	4	27.373	+ 5.5	1.7	NNW	3	HS.	3
6	27.472	+ 2.8	1.9	WNW	1	FS.	3	27.381	+ 5.8	2.7	WNW	2	S.	4
7	27.392	+ 6.0	2.9	N	1	tr.	4	27.358	+ 7.0	3.1	NW	1	S.	4
8	27.431	+ 4.6	2.6	S	0	tr.	4	27.238	+10.7	3.7	SO	1	FS.H.	3
9	26.854	+ 6.8	2.9	WNW	3	S.FS.	3	26.991	+ 8.6	2.5	NW	4	FS.H.	3
10	27.211	+ 4.8	2.3	WNW	2	FS.F.	2	27.307	+ 6.2	2.4	WNW	4	S	4
11	27.496	+ 3.8	2.5	SW	1	FS.F.	2	27.236	+10.6	2.7	SSW	2	FS	3
12	27.365	+ 5.8	2.0	NW	3	FS.	1	27.608	+ 6.5	1.6	NW	2	H.	3
13	27.882	+ 1.6	1.6	NW	1		0	27.678	+10.7	2.4	SSW	1	F.	1
14	27.590	+ 7.8	2.6	NW	2	tr.	4	27.543	+12.5	3.2	NW	1	H.FS.	3
15	27.171	+ 7.5	3.0	WNW	1	S.	4	27.122	+10.5	2.8	WNW	4	S.	4
16	27.192	+ 6.9	2.6	WNW	2	FS.H.	3	27.209	+ 6.8	2.5	NW	3	HS.	3
17	27.147	+ 5.4	3.0	SW	1	tr.	4	27.101	+ 8.2	3.1	NW	1	HS.	4
18	27.538	+ 4.0	2.6	NW	2	FS.H.	3	27.583	+ 9.1	2.1	N	2	H.	2
19	27.613	+ 2.8	2.3	SO	0	F.	1	27.502	+13.4	3.1	SSO	2	F.FS.	3
20	27.480	+ 8.2	3.4	SSO	0	FS.F.	3	27.349	+15.8	4.3	S	2	F.	1
21	27.163	+ 9.6	4.2	W	0	S.FS.	4	27.282	+12.6	3.9	NW	3	S.FS.	3
22	27.382	+ 6.8	2.9	NW	1	tr.	4	27.418	+10.8	2.6	NW	1	S.	4
23	27.597	+ 7.2	2.5	NW	1	FS.	3	27.597	+12.4	2.7	WNW	1	FS.H.	3
24	27.643	+10.2	3.8	NW	0	S.FS.	2	27.557	+15.2	4.2	SO	1	H.	3
25	27.440	+ 9.6	3.6	S	0	F.	2	27.430	+18.3	4.2	WNW	0	H.	1
26	27.433	+11.2	4.4	W	0	FS.	2	27.331	+17.8	3.5	SO	1	HS.	3
27	27.433	+ 8.8	3.4	NNW	1	F.	2	27.369	+15.2	4.1	SO	0	F.FS.	3
28	27.269	+10.4	4.4	SO	0	FS.F.	3	27.202	+19.8	4.4	SSW	3	FS.H.	3
29	27.280	+12.0	3.8	WSW	1	F.	2	27.306	+17.7	4.5	SO	2	S.	4
30	27.402	+ 8.4	3.8	NW	2	tr.	4	27.459	+11.6	3.4	NW	3	HS.	3
M	27.402	+6.17	2.85		1.2		2.8	27.380	+10.28	3.03		2.0		3.0

April 1867.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
‴	°	‴			°	°	‴	
27.853	+ 2.7	1.9	NNW 2	S.FS. 4	+ 6.0	+ 1.1	......	
27.573	+ 5.4	2.1	W 0	tr. 4	+ 7.4	+ 2.3	......	
27.467	+ 6.1	2.8	NW 2	tr. 4	+ 9.0	+ 3.4	5.30	öfter Rg.
27.193	+ 8.2	2.9	NW 2	tr. 4	+ 8.8	+ 3.0	1.75	Mrgr. Rg. öfter Rg.
27.556	+ 2.6	1.4	NNW 1	0	+ 5.6	+ 1.4	0.97	8h Mgs. Gew. W-SO Str NNW. Rg. Hg
27.417	+ 5.4	2.7	NW 0	tr. 4	+ 6.5	+ 3.3	1.30	7½h Mgs. ⊙Hof. Rg
27.438	+ 5.2	2.8	N 0	tr. 4	+ 9.0	+ 3.5	2.30	schw. Rg.
27.151	+ 6.8	2.7	WNW 0	FS.F. 3	+ 11.5	+ 4.4	1.75	Mttg ⊙Hof. 5½h Ab. Gussrg Rgbg. Wttl. S.
27.174	+ 5.1	2.3	WNW 3	FS.F. 2	+ 9.4	+ 4.5	0.08	öfter Reg. Str. NW.
27.541	+ 4.6	2.5	NW 3	S. 4	+ 7.0	+ 2.5	7.50	Str. Nw; 9½h Schneegest Rg. und Güsse
27.246	+ 6.3	2.2	NW 4	FS.H. 4	+ 11.6	+ 4.3	0.80	7¼h Mgs. vert. Nebens. Nchts Rg. Str. NW
27.820	+ 3.7	2.1	NNW 2	F. 1	+ 6.8	+ 1.1	0.15	Mgs. Rg. Ab. Schnee
27.622	+ 7.2	2.8	NW 0	HN. 2	+ 10.9	+ 4.0	......	Reif; N. 8h Ab. ⊙Hof 2Nb. ☾Ho.
27.363	+ 8.0	3.1	S 0	FS.F. 3	+ 13.6	+ 6.8	0.08	Mgs. schw. Rg.
27.173	+ 8.4	2.4	NW 3	FS. 2	+ 11.7	+ 6.0	......	Str. NW.
27.264	+ 5.4	2.6	NW 2	tr. 4	+ 8.3	+ 4.7	1.00	öfter Rg. und Schnee
27.348	+ 4.9	3.0	NW 1	SH. 3	+ 8.8	+ 3.6	9.40	Mgs. Rg.
27.673	+ 5.9	2.5	N 0	0	+ 10.5	+ 2.5	......	☾Hof (kl.)
27.450	+ 9.3	3.7	SSO 0	FS.F. 3	+ 14.6	+ 5.0	0.15	öfter Rg. ⊙ u. ☾Hof
27.189	+ 12.0	4.6	SO 1	FS.F. 2	+ 16.4	+ 9.0	......	
27.384	+ 8.6	3.6	NW 2	tr. 4	+ 13.2	+ 6.4	0.90	Str. NW.; öfter Rg.
27.529	+ 8.5	2.5	NNW 2	S. 4	+ 11.4	+ 6.2	......	Ab. schw. Rg. Abdr.
27.629	+ 9.5	3.0	SW 1	S.FS. 4	+ 13.6	+ 8.0	......	
27.484	+ 10.2	3.2	S 1	0	+ 16.4	+ 7.7	......	
27.443	+ 13.1	4.2	NW 0	tr. 4	+ 19.3	+ 9.4	......	Wttl. W-NW. Rg.
27.339	+ 11.8	3.7	WNW 4	SH. 3	+ 18.5	+ 8.1	.....	6h Ab. 2 hor. Nebens. Wtt W-NW. SO. Str. WNW
27.370	+ 10.8	4.1	NO 1	tr. 4	+ 16.5	+ 8.7	......	6h Ab. 2 hor. Nebens.
27.242	+ 13.3	4.3	SSW 1	0	+ 20.5	+ 9.3	....	Str. S.
27.373	+ 11.1	3.7	NW 1	HN. 3	+ 18.4	+ 7.6	......	Wttl. SO.
27.530	+ 9.2	3.0	NW 2	F. 1	+ 12.8	+ 6.5	3.05	Mgs. Rg.
27.414	+ 7.64	2.95	1.4	3.8			36.48	

Mai 1867.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	″	°	″			″	°	‴		
1	27.526	+ 7.2	2.9	W 1	FS.F. 3	27.503	+12.7	3.8	W 1	SH. 4
2	27.404	+ 6.4	3.1	NW 2	SG.H. 4	27.316	+ 6.3	3.2	WNW 3	S. 4
3	27.528	+ 4.1	2.6	WNW 3	SH. 4	27.591	+ 7.8	2.7	NW 1	HS. 4
4	27.623	+ 4.8	2.7	NNW 1	FS.F. 3	27.649	+ 8.7	2.7	NNW 1	HS. 3
5	27.766	+ 5.0	2.4	NNW 2	S FS. 4	27.755	+ 7.0	2.6	NNW 2	HS. 4
6	27.799	+ 4.4	2.3	NNW 1	0	27.744	+13.0	3.9	N 1	0
7	27.807	+ 7.4	3.1	NNW 0	0	27.790	+15.2	3.9	SO 0	0
8	27.687	+ 7.8	3.5	SO 0	0	20.616	+18.7	4.8	SSO 0	0
9	27.546	+ 9.8	3.8	S 0	0	27.477	+21.3	5.3	S 1	H. 1
10	27.451	+12.9	4.0	W 1	S.FS. 3	27.407	+19.7	4.8	N 1	H.GH. 3
11	27.443	+11.6	4.8	W 0	F. 1	27.332	+19.7	5.6	SO 1	H. 1
12	27.303	+16.6	4.9	WNW 0	FS.F. 3	27.200	+23.4	6.1	SO 0	SH. 2
13	27.128	+16.1	4.1	SW 1	FS.F. 2	27.145	+20.8	4.8	NO 1	S.FS. 2
14	27.343	+15.0	4.6	WNW 1	FS. 2	27.254	+19.3	5.1	SO 1	FS.H. 2
15	27.346	+ 9.2	3.3	N 1	FS. 3	27.440	+12.1	3.9	N 1	HS 3
16	27.421	+ 6.5	3.1	NO 0	S.FS. 4	27.317	+12.0	4.4	NW 1	S 4
17	27.361	+ 8.9	3.6	N 1	S.FS. 4	27.414	+ 9.9	3.9	NNW 1	S. 4
18	27.612	+ 7.2	2.9	NW 2	FS. 3	27.617	+11.8	2.8	NW 1	FS.H. 3
19	27.672	+ 8.0	3.3	N 0	FS. 1	27.611	+13.6	3.0	SSO 1	H. 1
20	27.468	+10.5	3.3	SSO 0	F. 2	27.343	+16.6	4.8	S 0	FS H. 4
21	27.329	+11.5	4.2	WNW 2	FS.H. 3	27.263	+18.2	4.4	S 0	H. 3
22	27.343	+10.6	3.3	WNW 1	S. 4	27.332	+15.0	4.2	S 1	FS.H. 3
23	27.209	+10.5	4.6	SO 1	tr. 4	27.143	+ 9.3	3.5	WNW 3	HS. 4
24	27.406	+ 4.8	2.5	WNW 0	S.FS. 4	27.378	+ 4.8	2.7	NNW 1	S. 4
25	27.646	+ 3.6	2.7	NW 1	S. 4	27.705	+ 6.3	2.8	W 1	S. 4
26	27.722	+ 2.7	2.4	NW 1	F. 1	27.617	+13.0	3.5	S 1	SH. 3
27	27.513	+ 7.5	3.3	SO 0	FS.F. 3	27.473	+16.6	4.7	SSO 1	F. 3
28	27.514	+13.4	4.9	WNW	S.FS. 4	27.624	+16.8	4.7	WNW 2	FS.H. 3
29	27.784	+11.4	4.7	WNW 0	0	27.768	+19.6	5.1	SO 0	H. 1
30	27.752	+11.7	4.4	SO 0	0	27.698	+20.7	5.0	SO 2	0
31	27.624	+13.6	5.0	S 0	0	27.566	+22.5	5.6	SSO 2	GH. 1
M	27.520	+9.05	3.56	0.8	2.4	27.487	+14,62	4.14	1.1	2.5

Mai 1867.

10 Uhr Abends								Anmerkungen.
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	
"	°	"			°	°	"'	
27.475	+ 6.6	3.0	NW 3	tr. 4	+14.2	+ 6.0	2.00	V. Mtg. an öfter Rg.
27.385	+ 5.8	2.9	WNW 3	tr. 4	+ 7.5	+ 3.4	16.32	Str. NW. Rg.
27.655	+ 5.0	2.4	NNW 1	FS.F. 1	+ 8.4	+ 4.2	......	Mgs. schw. Rg.
27.737	+ 5.6	2.4	NNW 1	tr. 4	+ 9.5	+ 4.4	......	8h Mgs. Schneef. schw. Rg
27.823	+ 6.8	2.7	N 1	FS.H. 3	+ 8.3	+ 4.2	......	
27.759	+10.6	3.1	NNW 0	0	+15.7	+ 5.3	......	
27.735	+11.0	3.9	SO 0	0	+17.2	+ 7.2	......	Abdr. ☾Hof (kl.)
27.571	+14.2	4.6	S 0	0	+20.2	+ 7.5	......	
27.425	+15.6	5.4	S 0	F. 1	+22.3	+ 7.4	......	6h Ab. Nebens. ☾Hof (kl.) Wttl. N. W—N.
27.436	+12.0	4.9	N 0	FS.H. 4	+20.5	+10.3	5.80	3¼h Ab. Gew. N 9½h NNW-SO. Gussreg. Wttl. NW
27.291	+15.8	5.7	SSW 0	FS. 2	+21.4	+13.2	.....	N. Abdr. ☾Hof. (kl)
27.148	+18.2	5.5	SW 0	HS. 4	+25.2	+14.8	......	
27.289	+15.0	4.6	NW 2	GH. 3	+21.7	+12.9	0.26	7h Ab. Gew. NO-O schw. Rg.
27.163	+15.5	4.6	WSW 1	F. 2	+20.8	+ 8.8	......	Wttl. WNW u. NNW Str. NW.
27.476	+ 9.5	3.4	NNO 1	FS.H 4	+16.7	+ 5.4	......	schw. Reg.
27.316	+10.5	4.1	NW 1	FS. 1	+14.6	+ 7.7	1.00	6h Ab. Gew. SO. Rg. Rbg u. Nebenb. Wttl. NO
27.572	+ 7.7	3.1	NNW 2	FS.H. 4	+10.8	+ 6.7	1.50	öfter Rg.
27.670	+ 8.9	2.7	N 0	H. 1	+12.6	+ 6.0	.....	
37.574	+10.5	3.3	SO 1	FS 3	+14.7	+ 8.5	......	
27.340	+11.5	4.2	WNW 2	S.FS. 4	+17.5	+10.4	0.36	Abds. Rg.
27.161	+13.5	4.2	S 1	S.FS. 4	+19.5	+ 9.7	......	2h Ab. schw. Rg. 10½h Str NW. Wttl. NNW
27.366	+11.0	4.4	S 0	tr. 4	+15.6	+10.3	2.24	Nachts Rg.
27.370	+ 4.8	2.3	NW 3	FS.F. 2	+12.8	+ 3.5	4.52	Rg. Str. WNW.
27.568	+ 2.8	2.3	NW 2	tr. 4	+ 6.6	+ 2.4	6.35	Rg.
27.729	+ 4.9	2.7	NW 0	FS.F. 2	+ 8.2	+ 2.2	2.25	Schneefl. Hgl. Rg.
27.564	+ 8.8	3.7	S 0	0	+13.4	+ 6.0	.....	Reif Mttgs. ⊙Hof
27.421	+13.4	4.9	SO 2	FS.F. 2	+17.5	+10.1	......	5h Ab. 2 hor. Nebens.
27.724	+13.5	5.0	WNW 0	0	+17.8	+ 9.7	0.08	schw. Rg. 7h Ab. Rgbg.
27.755	+14.6	5.1	SO 0	FS.F. 1	+20.8	+10.8	......	
27.663	+15.2	5.0	SSO 1	0	+21.4	+12.3	.....	
27.566	+16.7	6.0	SSO 0	F 2	+23.0	+15.4	......	Wttl. WNW.
27.508	+10.85	3.94	0.9	2.3			42.68	

Juni 1867.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.610	+17.0	5.4	WNW 1	FS.F. 3	27.637	+17.7	5.5	NW 1	FS.H. 3
2	27.693	+14.8	5.4	NW 0	0	27.617	+21.5	6.0	N 1	H.GH 1
3	27.520	+14.8	5.7	WSW 0	0	27.414	+23.5	5.7	SSO 2	H. 1
4	27.422	+17.3	5.6	W 1	FS. 1	27.424	+19.7	6.7	NW 1	FS.GH. 3
5	27.666	+11.8	4.3	NW 2	S.FS. 4	27.664	+14.6	4.5	NW 1	FS.F 3
6	27.652	+10.9	4.2	NW 0	0	27.522	+21.3	5.6	S 2	H. 1
7	27.485	+14.0	5.7	WNW 0	F. 1	27.412	+21.4	6.7	NO 0	FS.H. 3
8	27.430	+13.6	4.7	NW 2	HF. 2	27.468	+16.1	4.7	NW 3	FS.H. 3
9	27.698	+10.6	3.6	NNW 1	FS.F 2	27.628	+15.7	3.0	NNW 2	H. 2
10	27.759	+10.2	4.4	NNW 2	FS. 1	27.770	+13.8	3.8	N 2	H. 3
11	27.787	+12.0	3.5	NW 2	S.FS. 4	27.693	+18.2	4.2	NW 2	H. 3
12	27.835	+10.5	3.5	NNW 2	F 1	27.789	+16.2	3.5	N 1	0
13	27.638	+12.0	4.4	W 0	0	27.427	+22.2	5.5	SSW 2	H.GH. 3
14	27.420	+10.9	4.3	N 0	S. 4	27.306	+12.5	5.2	N 2	tr. 4
15	27.249	+11.2	4.7	NNW 0	H.GH. 3	27.160	+16.0	4.8	OSO 1	HS. 4
16	27.378	+ 8.6	3.7	NW 1	H.FS. 3	27.460	+11.8	3.7	NNW 2	HS. 3
17	27.516	+ 8.6	3.4	NW 1	S. 4	27.484	+13.3	3.0	NW 1	HS. 3
18	27.600	+ 7.8	3.2	WNW 2	FS.H. 3	27.582	+13.2	3.4	NW 2	HS. 3
19	27.589	+ 9.5	3.4	NW 1	FS.H. 3	27.547	+14.6	3.7	WNW 1	FS.H. 3
20	27.560	+ 7.9	3.5	NW 0	0	27.530	+15.6	3.7	NO 1	H 1
21	27.584	+11.6	4.1	N 0	0	27.555	+16.9	3.8	N 1	H. 1
22	27.585	+12.6	4.0	NNW 1	0	27.557	+18.1	4.2	NNW 1	FS.H. 3
23	27.552	+13.0	4.9	NW 1	S. 4	27.467	+18.0	5.5	N 1	H. 3
24	27.381	+13.8	5.5	N 0	0	27.296	+21.3	6.0	N 1	H.GH. 2
25	27.368	+15.4	6.0	NW 0	F. 1	27.378	+20.7	5.2	NNW 1	H.GH. 3
26	27.600	+15.6	5.6	NW 1	HF. 2	27.602	+19.5	5.7	NNW 2	H.GH. 3
27	27.734	+15.3	5.5	NW 1	F. 1	27.709	+19.4	5.3	N 2	H.GH. 3
28	27.706	+14.6	4.2	NW 2	F. 1	27.570	+19.1	3.5	NW 2	H. 2
29	27.648	+ 9.9	2.4	NNW 2	FS.H. 2	27.659	+11.6	3.1	NW 2	S.FS. 3
30	37.723	+ 9.8	3.3	NW 1	S.FS. 4	27.660	+16.8	4.3	WSW 1	H. 3
M	27.580	+12.19	4.40	0.9	1.8	27.533	+17.34	5.65	1.5	2.5

Juni 1867.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
''	°	'''			°	°	'''	
27.691	+15.6	5.7	NW 1	F. 1	+21.0	+14.4	0.15	2½^h Ab. schw. Reg.
27.585	+18.0	6.8	WSW 1	0	+23.2	+14.2	......	
27.368	+17.7	6.3	S 1	FS. 1	+24.2	+15.3	......	Wttl. W.
27.509	+14.6	5.9	NW 2	S.FS. 3	+22.5	+11.0	1.00	3½^h Ab. Gew. WSW n. O öfterRg. Wttl. in allenRichtg.
27.684	+13.2	4.7	NW 1	0	+14.8	+ 9.6	0.42	Mittg. schw. Rg. 2^h ☾ Hof.
27.515	+16.0	6.0	S 0	0	+21.8	+12.7	......	
27.402	+16.6	4.3	NW 4	GH.FS. 2	+22 5	+13.3	......	Wttl. W. ☾ Hof Str. WNW.
27.594	+12.3	4.1	NW 3	S. 4	+17.0	+ 9.8	......	schw. Rg. Abdr.
27.694	+12.2	4.0	N. 0	FS.H. 4	+16.8	+ 9.5	0.50	8^h Rgs. ☉ Hof Nachts Rg.
27.816	+11.6	3.1	NNW 2	S.FS. 4	+14.3	+11.2	......	
27.767	+13.6	3.2	N 2	H. 1	+18.8	+ 9.6	......	
27.712	+13.4	4.1	WNW 0	F. 2	+18.1	+10.3	......	Abdr.
27.446	+15.2	5.8	NW 0	S 4	+23.2	+10.4	5.20	Ab. Str. NW; Gew. NNW-SO; SW. Rg. Wttl. SSO.
27.209	+10.6	4.5	N 0	S. 4	+15.0	+10.2	3.30	Rg.
27.282	+ 8.4	3.8	NW 2	S. 4	+16.6	+ 7.7	10.70	Nachts Rg.
27.509	+ 9.2	3.5	NW 0	FS. 2	+13.6	+ 7.8	0.20	öfter Rg.
27.567	+ 8.6	3.3	NW 3	FS. 3	+13.7	+ 7.2	0.21	6^h Ab. Rg. u. eins. Schneef.
27.588	+ 9.6	3.3	NW 1	SH. 1	+13.7	+ 8.6	0.26	öfter Rg. Mittags Schneef.
27.550	+ 9.7	3.7	NW 0	F. 1	+15.3	+ 7.3	......	Mttgs. schw. Reg.
27.542	+12.3	3.8	N 0	F. 1	+16.8	+ 8.0	......	
27.564	+14.2	4.4	N 0	0	+18.3	+11.2	......	
27.588	+14.2	5.1	N 1	tr. 4	+19.0	+12.5	......	Abds. schw. Rg.
27.415	+15.4	5.9	NNW 0	0	+19.1	+13.2	......	Wttl. SO u. SW.
27.319	+16.0	5.7	W 0	FS.F 2	+22.6	+14.2	......	Abd. Gew. O; SW. NW. Rg. Abdr.
27.469	+16.5	5.2	NW 1	F. 2	+21.8	+15.2	......	5^h Abd. Gw. NW; Wttl. NW.
27.717	+16.3	5.3	NW 1	S.FS 3	+20.7	+14.4	1.58	Mrgr. Rg. 5^h Abd. Gew. NW. Abdr.
27.742	+16.0	5.4	N 0	HF. 3	+20.2	+13.2	......	6½^h Abd. Gew. NW. Rg. Wttl. SO.
27.632	+11.5	4.2	NNW 2	tr. 4	+20.3	+ 9.0	2.75	5^h Abd. Rg. Gew. Zenith.
27.708	+ 9 9	3.2	WNW 2	F. 1	+12.8	+ 8.8	......	öfter schw. Rg.
27.627	+13.2	4.4	S 1	0	+18.2	+ 8.6	......	Mgs. schw. Rg.
27.564	13.05	4.62	2.1	1.0			26.27	

Juli 1867.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.592	+10.4	4.5	S 0	F. 1	27.535	+22.7	6.0	WSW 0	F. 1
2	27.588	+15.0	5.6	S 1	F. 1	27.540	+21.0	5.4	SO 1	GH. 1
3	27.546	+15.2	5.1	WNW 2	GH. 4	27.587	+18.5	6.0	WNW 0	HS. 2
4	27.719	+14.2	5.1	NW 2	F. 1	27.648	+19.5	5.1	NW 1	H. 2
5	27.578	+14.6	5.5	OSO 2	F. 1	27.541	+19.5	5.5	NW 3	FS.H. 4
6	27.590	+14.2	4.5	NW 2	FS. 2	27.612	+15.3	5.1	NW 1	HS. 4
7	27.659	+11.5	4.5	NW 1	FS.H. 3	27.596	+15.9	4.7	NW 1	FS.H. 3
8	27.625	+11.2	3.8	NW 1	FS. 2	27.565	+13.8	3.2	N 1	H. 3
9	27.597	+ 8.2	3.2	NW 2	S. 4	27.583	+ 8.9	3.5	NNW 2	tr. 4
10	27.605	+ 9.8	3.7	WNW 2	HF. 2	27.589	+14.2	3.8	NW 2	FS.H. 3
11	27.494	+10.6	3.7	NW 3	S.FS. 2	27.460	+11.3	4.0	WNW 3	H.S. 4
12	27.497	+12.0	4.3	NW 2	S.FS. 4	27.483	+17.7	4.4	WNW 1	H. 3
13	27.448	+11.3	4.5	NNW 0	S.FS. 3	27.418	+19.2	5.9	OSO 0	H. 2
14	27.568	+16.6	5.5	NW 1	FS. 2	27.530	+22.0	6.2	SW 1	FS.H. 3
15	27.631	+16.0	5.7	NNW 0	FS. 2	27.542	+21.2	6.1	SSW 1	H. 3
16	27.362	+16.6	6.7	S 1	0	27.502	+18.4	4.5	NW 2	FH. 2
17	27.494	+12.3	5.0	W 1	S.FS. 4	27.497	+18.0	5.7	W 0	S.FS. 3
18	27.564	+13.2	4.6	NW 1	FS.F. 1	27.534	+18.6	4.8	NW 2	H.GH 2
19	27.391	+12.6	4.8	W 0	0	27.273	+22.8	6.5	NW 0	H. 3
20	27.433	+12.6	4.1	NW 1	S.FS. 4	27.466	+16.7	3.9	NW 4	H. 3
21	27.606	+13.0	4.2	WNW 1	0	27.563	+20.4	5.0	SSW 0	H. 2
22	27.591	+14.6	5.5	OSO 0	0	27.569	+24.0	5.4	S 1	GH. 1
23	27.547	+15.4	5.4	S 1	0	27.453	+23.8	4.8	S 2	0
24	27.365	+16.2	6.0	S 1	F. 1	27.320	+25.0	5.9	NO 1	F. 1
25	27.518	+15.3	5.3	NW 0	FS.H. 2	27.463	+21.8	7.0	OSO 0	FS.S. 4
26	27.385	+16.6	6.3	S 1	F. 1	27.322	+26.2	5.7	SSO 3	FS.H. 3
27	27.566	+16.3	4.5	N 1	H.FS. 2	27.584	+19.1	5.2	NW 1	S. 3
28	27.599	+12.6	4.9	NW 1	S.FS. 4	27.530	+12.6	4.6	NW 3	S. 4
29	27.630	+10.4	4.1	NW 2	FS.F. 2	27.485	+16.1	4.3	SO 1	H. 3
30	27.503	+10.2	3.8	WNW 2	0	27.480	+15.2	3.6	WNW 3	H. 3
31	27.520	+10.4	3.4	WNW 3	S.FS. 3	27.505	+16.8	4.3	WNW 3	H. 2
M	27.542	+13.20	4.77	1.3	1.9	27.509	+18.59	5.04	1.4	2.6

Juli 1867.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
'''	°	'''			°	°	'''	
27.534	+17.0	5.2	S 1	FS. 1	+22.9	+12.3	......	Wttl. WSW.
27.468	+16.7	5.6	SSO 1	F. 1	+22.6	+14.0	......	6^h Ab. Nebs. Abdr. Wttl. WNW.
27.661	+15.2	4.9	WNW 2	FS.F. 3	+18.9	+13.5	3.44	Mgs. Str. WNW. Rg. Ab. Gw. N-O. NW-O; NNW. Abdr.
27.624	+16.3	5.5	N 0	F. 1	+20.3	+12.8	......	
27.629	+14.6	4.5	NW 1	S. 4	+21.4	+12.5	0 36	Abd. schw. Reg.
27.679	+11.8	4.6	WNW 1	F. 1	+17.6	+10.4	1.66	Mttgs. Rg.
27.664	+12.2	3.5	NNW 1	S. 4	+17.5	+ 9.9	......	10^h Mgs. schw. Rg.
27.612	+ 9.3	3.3	NW 2	SH. 4	+14.6	+ 7.9	0.24	Mttgs. ⊙Hof; Ab. schw. Reg.
27.599	+10.1	3.8	NW 2	S.FS. 4	+10.8	+ 8.3	4.42	Rg.
27.561	+10.6	4.5	NW 0	FS.H. 4	+15.1	+10.0	1.54	öfter Rg.
27.461	+13.3	4.6	NW 3	FS.H. 3	+13.7	+10.6	2.25	Str.WNW; Rg.Abdr.
27.490	+14.0	5.3	WNW 0	FS.F. 3	+18.8	+10.7	......	Mgs. schw. Rg. Abdr.
27.486	+15.9	5.3	NW 0	F. 1	+20.7	+11.3	......	6^h 30^m Abd. 2hor. Nebens.
27.602	+15.6	5.6	NW 0	FS. 2	+22.6	+14.0	......	Ab. schw. Rg.
27.452	+17.4	6.4	SSO 1	F. 1	+22.3	+14.2	......	7^h Mgs. schw. Rg.
27.516	+14.6	4.4	NW 0	FS.F. 1	+19.5	+11.6	......	Mrgs. Str. WNW.
27.500	+14.3	4.9	WNW 1	FS. 3	+18.7	+12.1	3.34	3^h Mgs. Gew. W. Gussrg. Rg. bis Mittg.
27.499	+15.2	5.2	W 0	0	+20.2	+11.3	......	
27.406	+13.2	4.6	NW 0	S.FS. 4	+23.0	+12.2	4.70	3^h Ab. Gw. NW. Gssr. Rgh. Abdr.
27.542	+13.0	4.3	NW 2	0	+17.3	+11.4	......	Str. NW.
27.564	+16.1	5.9	OSO 0	0	+20.9	+12.0	......	
27.575	+17.0	5.4	S 0	0	+24.7	+13.2	......	
27.432	+18.6	5.2	S 1	0	+25.0	+13.7	......	
27.454	+16.7	5.9	NW 3	FS.H. 3	+27.4	+14.8	......	^{h} Ab. Str. W. Wttl. N.
27.420	+17.3	5.7	SO 2	0	+22.8	+15.0	......	72^h Ab. schw. Rg. Wttl. SO
27.478	+16.7	5.4	NW 3	HF. 2	+27.3	+16.0	......	7^h Ab. Str. WNW.
27.678	+13.4	4.9	NW 1	S. 4	+20.5	+12.3	1.15	3^h Ab. Gew. SW. Rg. 5^h Rgb.
27.621	+10.6	4.0	NW 3	FS.H. 2	+14.2	+ 9.6	1.08	öfter Rg.
27.512	+10.0	3.9	NW 2	tr. 4	+17.7	+ 9.5	2.38	8^h Ab. Gew. W. Rg
27.553	+10.8	3.8	WNW 1	FS.F. 2	+15.8	+10.3	......	8½^h Mgs. ⊙Hof.
27.539	+12.6	4.2	N 1	F. 1	+17.6	+10.2	......	
27.541	+14.20	4.85	1.9	2.0			26.56	

Juli 1867.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.592	+10.4	4.5	S 0	F. 1	27.535	+22.7	6.0	WSW 0	F. 1
2	27.588	+15.0	5.6	S 1	F. 1	27.540	+21.0	5.4	SO 1	GH. 1
3	27.546	+15.2	5.1	WNW 2	GH. 4	27.587	+18.5	6.0	WNW 0	HS. 2
4	27.719	+14.2	5.1	NW 2	F. 1	27.648	+19.5	5.1	NW 1	H. 2
5	27.578	+14.6	5.5	OSO 2	F. 1	27.541	+19.5	5.5	NW 3	FS.H. 4
6	27.590	+14.2	4.5	NW 2	FS. 2	27.612	+15.3	5.1	NW 1	HS. 4
7	27.659	+11.5	4.5	NW 1	FS.H. 3	27.596	+15.9	4.7	NW 1	FS.H. 3
8	27.625	+11.2	3.8	NW 1	FS. 2	27.565	+13.8	3.2	N 1	H. 3
9	27.597	+ 8.2	3.2	NW 2	S. 4	27.583	+ 8.9	3.5	NNW 2	tr. 4
10	27.605	+ 9.8	3.7	WNW 2	HF. 2	27.589	+14.2	3.8	NW 2	FS.H. 3
11	27.494	+10.6	3.7	NW 3	S.FS. 2	27.460	+11.3	4.0	WNW 3	H.S. 4
12	27.497	+12.0	4.3	NW 2	S.FS. 4	27.483	+17.7	4.4	WNW 1	H. 3
13	27.448	+11.3	4.5	NNW 0	S.FS. 3	27.418	+19.2	5.9	OSO 0	H. 2
14	27.568	+16.6	5.5	NW 1	FS. 2	27.530	+22.0	6.2	SW 1	FS.H. 3
15	27.631	+16.0	5.7	NNW 0	FS. 2	27.542	+21.2	6.1	SSW 1	H. 3
16	27.362	+16.6	6.7	S 1	0	27.502	+18.4	4.5	NW 2	FH. 2
17	27.494	+12.3	5.0	W 1	S.FS. 4	27.497	+18.0	5.7	W 0	S.FS. 3
18	27.564	+13.2	4.6	NW 1	FS.F. 1	27.534	+18.6	4.8	NW 2	H.GH 2
19	27.391	+12.6	4.8	W 0	0	27.273	+22.8	6.5	NW 0	H. 3
20	27.433	+12.6	4.1	NW 1	S.FS. 4	27.466	+16.7	3.9	NW 4	H. 3
21	27.606	+13.0	4.2	WNW 1	0	27.563	+20.4	5.0	SSW 0	H. 2
22	27.591	+14.6	5.5	OSO 0	0	27.569	+24.0	5.4	S 1	GH. 1
23	27.547	+15.4	5.4	S 1	0	27.453	+23.8	4.8	S 2	0
24	27.365	+16.2	6.0	S 1	F. 1	27.320	+25.0	5.9	NO 1	F. 1
25	27.518	+15.3	5.3	NW 0	FS.H. 2	27.463	+21.8	7.0	OSO 0	FS.S. 4
26	27.385	+16.6	6.3	S 1	F. 1	27.322	+26.2	5.7	SSO 3	FS.H. 3
27	27.566	+16.3	4.5	N 1	H.FS. 2	27.584	+19.1	5.2	NW 1	S. 3
28	27.599	+12.6	4.9	NW 1	S.FS. 4	27.530	+12.6	4.6	NW 3	S. 4
29	27.630	+10.4	4.1	NW 2	FS.F. 2	27.485	+16.1	4.3	SO 1	H. 3
30	27.503	+10.2	3.8	WNW 2	0	27.480	+15.2	3.6	WNW 3	H. 3
31	27.520	+10.4	3.4	WNW 3	S.FS. 3	27.505	+16.8	4.3	WNW 3	H. 2
M	27.542	+13.20	4.77	1.3	1.9	27.509	+18.59	5.04	1.4	2.6

Juli 1867.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
″	°	‴			°	°	‴	
27.534	+17.0	5.2	S 1	FS. 1	+22.9	+12.3	......	Wttl. WSW.
27.468	+16.7	5.6	SSO 1	F. 1	+22.6	+14.0	......	6^h Ab. Nebs. Abdr. Wttl. WNW.
27.661	+15.2	4.9	WNW 2	FS.F. 3	+18.9	+13.5	3.44	Mgs. Str. WNW. Rg. Ab.Gw. N-O. NW-O; NNW. Abdr.
27.624	+16.3	5.5	N 0	F. 1	+20.3	+12.8	......	
27.629	+14.6	4.5	NW 1	S. 4	+21.4	+12.5	0 36	Abd. schw. Reg.
27.679	+11.8	4.6	WNW 1	F. 1	+17.6	+10.4	1.66	Mttgs. Rg.
27.664	+12.2	3.5	NNW 1	S. 4	+17.5	+ 9.9	......	10^h Mgs. schw. Rg.
27.612	+ 9.3	3.3	NW 2	SH. 4	+14.6	+ 7.9	0.24	Mttgs. ⊙Hof; Ab. schw. Reg.
27.599	+10.1	3.8	NW 2	S.FS. 4	+10.8	+ 8.3	4.42	Rg.
27.561	+10.6	4.5	NW 0	FS.H. 4	+15.1	+10.0	1.54	öfter Rg.
27.461	+13.3	4.6	NW 3	FS.H. 3	+13.7	+10.6	2.25	Str.WNW; Rg.Abdr.
27.490	+14.0	5.3	WNW 0	FS.F. 3	+18.8	+10.7	......	Mgs. schw. Rg. Abdr.
27.486	+15.9	5.3	NW 0	F. 1	+20.7	+11.3	......	6^h 30^m Abd. 2hor. Nebens.
27.602	+15.6	5.6	NW 0	FS. 2	+22.6	+14.0	......	Ab. schw. Rg.
27.452	+17.4	6.4	SSO 1	F. 1	+22.3	+14.2	......	7^h Mgs. schw. Rg.
27.516	+14.6	4.4	NW 0	FS.F. 1	+19.5	+11.6	......	Mrgs. Str. WNW.
27.500	+14.3	4.9	WNW 1	FS. 3	+18.7	+12.1	3.34	3^h Mgs. Gew. W. Gussrg. Rg. bis Mittg.
27.499	+15.2	5.2	W 0	0	+20.2	+11.3	......	
27.406	+13.2	4.6	NW 0	S.FS. 4	+23.0	+12.2	4.70	3^h Ab. Gw. NW. Gssr. Rgb. Abdr.
27.542	+13.0	4.3	NW 2	0	+17.3	+11.4	......	Str. NW.
27.564	+16.1	5.9	OSO 0	0	+20.9	+12.0	......	
27.575	+17.0	5.4	S 0	0	+24.7	+13.2	......	
27.432	+18.6	5.2	S 1	0	+25.0	+13.7	......	
27.454	+16.7	5.9	NW 3	FS.H. 3	+27.4	+14.8	......	^{h} Ab. Str. W. Wttl. N.
27.420	+17.3	5.7	SO 2	0	+22.8	+15.0	......	72^h Ab. schw. Rg. Wttl. SO
27.478	+16.7	5.4	NW 3	HF. 2	+27.3	+16.0	......	7^h Ab. Str. WNW.
27.678	+13.4	4.9	NW 1	S. 4	+20.5	+12.3	1.15	3^h Ab. Gew. SW. Rg. 5^h Rgb.
27.621	+10.6	4.0	NW 3	FS.H. 2	+14.2	+ 9.6	1.08	öfter Rg.
27.512	+10.0	3.9	NW 2	tr. 4	+17.7	+ 9.5	2.38	8^h Ab. Gew. W. Rg
27.553	+10.8	3.8	WNW 1	FS.F. 2	+15.8	+10.3	......	8½^h Mgs. ⊙Hof.
27.539	+12.6	4.2	N 1	F. 1	+17.6	+10.2	......	
27.541	+14.20	4.85	1.9	2.0			26.56	

August 1867.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	'''	°	'''			'''	°	'''		
1	27.524	+10.5	4.1	NW 1	F. 1	27.461	+17.0	4.0	NW 1	H. 2
2	27.359	+11.2	4.3	S 0	tr. 4	27.333	+10.7	4.8	O 1	tr. 4
3	27.398	+10.5	4.6	N 0	FS.F. 2	27.386	+15.2	4.7	WNW 1	S. 4
4	27.545	+11.2	4.3	NW 0	FS. 1	27.568	+16.8	4.5	N 2	H.GH. 3
5	27.623	+11.8	4.1	NW 1	S.FS. 4	27.669	+15.4	4.5	N 1	H. 3
6	27.588	+11.8	3.8	N 1	FS.F. 2	27.515	+16.9	4.3	NNW 1	FS.H. 3
7	27.480	+11.6	4.8	NW 0	F. 2	27.460	+18.0	4.9	WNW 1	FS. 3
8	27.576	+11.0	4.3	NW 2	S. 4	27.543	+17.4	4.2	NW 1	H.FS. 3
9	27.595	+13.8	4.7	NW 1	FS. 1	27.577	+19.8	5.1	NW 1	H. 2
10	27.638	+13.8	5.3	W 0	F. 1	27.624	+22.9	5.8	NW 1	GH. 2
11	27.647	+17.0	5.6	NW 1	FS.H. 2	27.638	+21.3	5.4	NW 1	FS.H. 3
12	27.757	+12.3	4.1	N 1	0	27.732	+18.0	3.9	N 1	H. 1
13	27.787	+10.5	4.1	N 1	0	27.734	+19.4	4.2	N 1	H. 1
14	27.798	+12.0	4.5	N 0	F. 1	27.778	+20.0	4.4	N 1	H. 1
15	27.708	+11.2	5.6	NW 0	0	27.608	+21.3	4.5	SO 1	0
16	27.512	+11.6	3.8	SO 2	0	27.457	+20.3	3.8	S 3	FS. 1
17	27.603	+15.0	4.2	WNW 1	S.FS. 4	27.638	+21.4	6.0	NW 0	H. 3
18	27.725	+13.2	4.1	WNW 0	0	27.718	+21.7	5.9	SO 0	GH. 1
19	27.783	+14.0	5.5	ONO 0	0	27.770	+23.0	5.6	O 1	H. 1
20	27.724	+14.0	5.2	S 0	0	27.639	+24.7	4.7	S 3	F. 2
21	27.595	+14.0	5.0	WSW 0	0	27.536	+25.8	6.4	NW 0	F. 1
22	27.535	+18.0	5.5	WNW 1	FS.F. 2	27.521	+22.9	6.2	NW 1	FS.H. 2
23	27.621	+15.0	6.0	NW 1	SH. 4	27.591	+20.1	6.0	N 1	FS.H. 2
24	27.589	+14.0	5.3	N 1	F. 1	27.554	+22.0	7.2	SO 0	FS.H. 3
25	27.556	+15.0	6.0	SO 1	FS. 3	27.533	+21.3	6.4	SSO 0	FS.H. 3
26	27.581	+14.8	5.9	WNW 0	FS 3	27.550	+19.9	6.7	SO 0	H. 3
27	27.579	+14.0	5.9	SW 1	FS. 3	27.509	+20.7	6.4	S 1	FS.H. 2
28	27.499	+15.3	5.5	NW 1	0	27.527	+19.3	6.5	N 0	H. 2
29	27.706	+14.6	6.4	NW 1	S.FS. 4	27.728	+18.0	5.9	NW 1	FS.H. 2
30	27.771	+14.0	5.3	NW 1	S.FS. 4	27.693	+19.4	5.8	NO 0	H. 2
31	27.646	+13.0	5.5	NO 0	0	27.575	+23.0	6.3	S 2	H. 2
M	27.614	+13.22	4.95	0.6	1.7	27.568	+16.57	5.32	1.0	2.2

August 1867.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
''	°	'''			°	°	'''	
27.455	+13.0	4.2	O 0	FS.F. 2	+17.7	+10.8	......	Wttl. S.
27.384	+10.8	4.6	N 0	F. 1	+12.5	+ 9.0	3.30	Rg.
27.476	+12.6	4.5	NW 1	FS.F. 2	+15.8	+10.4	......	8^h Mgs. ⊙Hof; Ab schw. Rg.
27.589	+14.0	4.6	N 1	FS. 3	+17.2	+11.0	......	einzelne Rgtropfen.
27.589	+12.0	4.0	NW 0	FS. 3	+17.0	+10.8	......	8^h Mgs. schw. Rg.
27.496	+13.2	4.7	NW 0	F. 2	+18.6	+10.5	......	
27.474	+13.9	5.0	NW 1	FS. 4	+19.3	+10.7	0.80	N. Ab. Rg. Rgbg.
27.557	+13.6	4.6	NW 0	FS.F. 2	+18.4	+11.0	......	Mgs. schw. Rg.
27.694	+15.6	5.4	W 0	0	+21.2	+12.3	......	
27.644	+17.3	6.6	NNW 0	0	+23.5	+14.3	......	Wttl. in allen Richtg.
27.722	+15.6	4.4	N 0	FS.H. 4	+21.8	+12.0	......	$3\frac{1}{2}^h$ Ab. Gew. SW.
27.737	+15.0	4.8	N 0	0	+19.2	+10.3	......	
27.784	+15.3	4.5	N 0	0	+20.8	+10.6	......	
27.741	+16.3	5.2	NNW 0	N. 1	+21.2	+11.0	......	
27.523	+15.4	4.6	SO 3	0	+21.8	+11.2	......	
27.500	+15.4	3.5	SSO 1	FS.F. 3	+21.5	+12.0	......	Str. S. ☾Hof (kl.)
27.703	+16.5	5.2	WNW 0	0	+22.3	+13.0	......	
27.759	+17.6	5.5	ONO 0	0	+23.2	+13.4	......	N.
27.754	+17.9	5.6	SSO 0	0	+24.3	+13.7	......	N.
27.612	+18.2	5.7	S 0	0	+25.4	+13.5	......	
27.524	+19.8	5.4	SSO 1	F. 2	+26.4	+13.8	......	Wttl. W.
27.592	+16.3	6.6	NW 1	tr. 4	+24.2	+14.3	1.90	Mttgs. Gew. S u. NW. 3^h SW. 7^h. SW. Rg. Wttl. S. u. NW.
27.594	+16.3	5.4	NNO 1	FS.F. 3	+21.0	+13.8	......	Wttl. SW. u. WNW.
27.559	+17.0	6.5	S 1	S. 3	+22.8	+14.2	......	5^h Ab. Gew. SW.-NO, Rg. Wttl. S u. NNO.
27.535	+17.0	6.4	SSO 0	S.FS. 3	+22.0	+14.6	......	7^h Ab. Rg. Wttl. O u. N.
27.577	+14.7	6.5	SW 1	F. 1	+20.3	+13.5	......	10^h Mgs. Rg. $6\frac{1}{2}^h$ Ab Nebs. Gew. S Wttl. NO.
27.482	+17.0	6.7	S 0	0	+21.4	+14.0	......	N. Wttl. NNO
27.641	+16.5	6.2	NW 1	FS.F. 2	+19.7	+14.3	......	Wttl. SW u. O.
27.779	+15.2	6.4	WNW 1	tr. 4	+18.7	+13.6	......	
27.668	+15.5	5.6	NNO 0	0	+20.6	+12.8	......	
27.607	+17.0	5.6	S 1	0	+24.3	+13.2	......	N.
27.602	+15.55	5.31	0.5	1.6			6.00	

September 1867.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	''	°	'''			''	°	'''		
1	27.609	+14.2	5.2	S 1	0	27.565	+24.8	4.7	S 1	0
2	27.638	+13.6	4.8	SW 1	0	27.596	+23.6	6.3	S 0	GH. 1
3	27.710	+15.8	5.2	NW 1	FS. 1	27.740	+19.0	5.2	N 2	H. 2
4	27.804	+ 9.7	3.4	N 1	0	27.684	+16.8	3.8	S 1	0
5	27.630	+ 9.5	3.6	SO 1	F. 1	27.595	+17.6	4.5	NNW 0	FS. 3
6	27.606	+13.0	6.2	N 1	tr. 4	27.646	+16.6	6.9	N 0	FS.H. 4
7	27.688	+11.6	5.2	SW 0	N. 3	27.686	+18.9	6.8	SSW 0	F.FS. 2
8	27.781	+14.6	4.4	NW 0	F.SF. 3	27.688	+19.0	4.8	O 0	S.FS. 3
9	27.692	+12.0	4.5	WSW 0	0	27.645	+18.6	4.6	O 1	H. 1
10	27.594	+11.0	4.2	SO 0	0	27.499	+20.1	5.3	SSO 1	0
11	27.623	+14.6	5.4	NW 2	FS. 2	27.665	+17.4	5.7	NW 1	S.FS. 4
12	27.688	+11.6	4.9	NW 1	FS.F. 3	27.637	+18.2	5.7	SSW 0	F. 2
13	27.697	+11.8	4.6	N 0	0	27.647	+19.8	6.0	SSO 0	0
14	27.628	+12.9	4.8	SO 0	0	27.612	+22.0	6.0	SSO 0	0
15	27.650	+14.6	5.8	NW 1	FS.F. 2	27.541	+23.4	5.1	S 2	F. 2
16	27.642	+14.0	4.9	NW 1	S.FS. 3	27.635	+12.7	5.1	NW 0	S. 4
17	27.630	+11.6	4.4	WNW 0	FS. 4	27.672	+14.0	4.2	NW 1	S.FS. 3
18	27.826	+ 9.0	3.6	N 1	S.N. 4	27.811	+10.0	4.0	NO 0	S. 4
19	27.821	+ 9.6	4.1	ONO 0	S.N. 4	27.771	+12.7	4.0	SO 2	FS.H. 3
20	27.661	+ 9.6	3.9	SO 1	FS. 1	27.647	+16.4	5.0	SO 1	H. 3
21	27.685	+10.6	4.5	SO 1	SN. 4	27.682	+14.3	5.1	SO 0	tr. 4
22	27.657	+11.6	4.9	SO 1	FS.N. 3	27.613	+16.9	5.4	NW 0	FS.S. 4
23	27.680	+13.6	4.7	NO 2	FS.F. 3	27.673	+17.4	4.1	NW 2	FS.H. 2
24	27.559	+10.4	4.1	WSW 0	FS. 2	27.430	+16.4	4.6	NW 2	S.FS. 3
25	27.577	+ 8.8	3.5	WNW 1	FS.F. 3	27.690	+ 9 9	3.2	NW 1	S. 4
26	27.819	+ 4.6	2.7	N 0	F. 1	27.879	+ 8.0	2.3	NO 2	H. 3
27	27.899	+ 4.0	2.2	NNW 1	FS.F. 3	27.888	+ 5.0	2.0	N 2	HS. 4
28	27.888	+ 2.6	1.9	NNW 0	F. 1	27.826	+ 8.6	2.3	O 1	F. 1
29	27.810	+ 7.4	2.5	NW 2	FS. 3	27.761	+12.7	3.0	WNW 4	F.FS. 3
30	27.694	+11.4	3.3	NW 3	FS. 3	27.621	+14.6	3.4	WNW 3	F.FS. 2
M	27.696	+10.98	4.25	0.8	2.0	27.666	+16.18	4.64	1.0	2.4

September 1867.

Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
10 Uhr Abends								
''	°	'''			°	°	'''	
27.601	+18.7	5.9	SSW 1	0	+25.3	+13.3	......	
27.673	+16.6	5.7	S 1	FS.F. 3	+24.9	+13.7	......	6^h Ab. Gw. N., Wttl. O. u. SW.
27.784	+12.7	3.6	N 1	0	+23.3	+ 9.4	......	
27.648	+12.2	4.0	SO 2	0	+17.8	+ 9.2	......	☾Hof (kl.)
27.608	+15.8	5.4	NW 0	FS.N. 2	+18.6	+12.2	......	Nachts schw. Rg.
27.689	+14.2	5.9	SW 0	F. 1	+17.5	+11.0	3.12	7-8^h Mgs. Gussrg.
27.726	+16.2	6.1	NW 0	FS.F. 3	+20.6	+11.8	......	N. Wttl. S. Nachts schw. Rg.
27.663	+15.8	5.2	WSW 0	FS. 1	+20.3	+12.2	......	Abdr.
27.609	+14.2	4.8	SO 0	FS.F. 3	+19.3	+10.8	......	N. ☾Hof (kl.)
27.527	+15.3	5.2	SO 0	0	+20.8	+11.5	......	Wttl. WNW.
27.695	+13.6	5.5	NNW 0	F. 1	+19.5	+11.0	......	
27.667	+14.7	5.0	N 0	N. 2	+19.4	+12.6	......	N.
27.645	+16.2	5.6	SO 0	0	+20.9	+12.7	......	N.
27.648	+17.9	6.2	S 0	0	+22.7	+14.2	......	N.
27.643	+14.5	5.4	NW 3	S.FS. 3	+24.2	+13.0	1.30	$6\frac{1}{2}^h$ Ab. Wttl. überall; Str NW. Gussrg
27.633	+11.8	4.6	W 1	S.FS. 4	+15.0	+10.6	5.10	$5\frac{3}{4}^h$ Mrg. Rgbg 6^h Ab. Rg. Abdr
27.762	+12.0	4.1	NNW 0	S. 4	+14.6	+ 8.8	0.40	Nachts schw. Rg.
27.839	+ 9.7	4.2	NO 1	tr. 4	+10.8	+ 9.0	0.02	öfter schw. Rg.
27.745	+10.4	4.1	SO 1	FS. 3	+13.4	+ 9.5	......	Abdr.
27.663	+11.7	4.9	SO 0	N. 1	+17.3	+10.1	......	
27.713	+13.4	5.5	SO 0	FS.N. 4	+15.2	+10.8	......	
27.652	+13.8	4.8	N 0	F. 1	+17.8	+12.6	......	5^h Ab. 2 hor. Nebens.
27.645	+12.9	4.4	NW 1	0	+18.0	+ 9.8	......	
27.527	+10.0	4.2	NW 1	tr. 4	+16.8	+ 8.7	6.28	Nachts Rg.
27.791	+ 7.7	2.6	NNW 2	FS. 1	+10.5	+ 4.0	0.89	öfter Rg.
27.937	+ 5.0	2.2	NNW 1	F.HN. 2	+ 8.8	+ 4.0	......	schw. Rg.
27.916	+ 4.3	2.1	NNW 1	tr. 4	+ 6.2	+ 2.4	......	
27.796	+ 5.4	2.6	S 0	SH.N. 4	+ 9.3	+ 3.2	......	Reif, ⊙Hof, Abdr.
27.733	+11.0	3.4	NW 3	tr. 4	+13.2	+ 8.0	0.85	Str WNW. ⊙Hof Ab. schw. Rg.
27.610	+10.2	4.0	W 0	N. 1	+15.0	+ 9.0	......	Abdr.
27.693	+12,66	4.75	0.7	2.0			17.96	

October 1867.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	"	°	'''			"	°	'''		
1	27.612	+9.8	3.4	NW 2	FS. 3	27.638	+12.7	3.7	NW 2	FS.H. 3
2	27.878	+6.0	3.0	NW 1	0	27.717	+11.7	3.2	SO 1	0
3	27.524	+4.3	2.6	NO 0	FN. 1	27.397	+16 0	3.6	S 1	FS.H. 2
4	27.252	+8.0	3.7	NW 1	S. 4	27.177	+ 9.6	4.0	WNW 1	tr. 4
5	27.351	+3.7	2.5	NW 2	S. 4	27.318	+ 5.0	2.5	W 1	tr. 4
6	27.471	+3.8	2.5	WNW 2	F. 1	27.510	+ 7.8	2.4	WNW 2	FS.H. 3
7	27.580	+3.2	2.3	WNW 1	FS. 2	27.450	+ 8.9	2.3	S 2	tr. 4
8	27.190	+6.4	2.8	S 0	S. 4	27.035	+ 7.2	3.6	N 0	tr. 4
9	27.219	+4.6	2.5	WNW 2	FS. 3	27.322	+ 7.6	2.8	NW 1	HS. 4
10	27.349	+4.0	2.2	NW 2	FS. 3	27.290	+ 7.6	2 2	NW 1	H. 3
11	27.457	+3.4	2.3	NNW 1	FS.F. 2	27.428	+ 6.4	2.7	N 1	S. 4
12	27.243	+3.2	2.5	NW 2	tr. 4	27.368	+ 5.3	2.6	WSW 1	tr. 4
13	27.579	+1.4	2.2	SSW 0	N. 4	27.534	+ 7.2	2.8	SO 2	FS.H. 2
14	27.649	+3.0	2.5	S 0	FN. 2	27.728	+ 8.2	3.3	SSO 1	FS.H. 3
15	27.826	+4.1	2.9	S 0	N. 4	27.785	+10.2	3.8	SO 2	H. 2
16	27.811	+7.1	3.4	SSO 0	N. 4	27.776	+ 8.3	3.8	S 0	tr. 4
17	27.751	+7.8	3.7	SW 0	N. 4	27.737	+11.0	3.0	NNW 1	FS.H. 3
18	27.683	+7.1	3.4	NW 0	N. 4	27.593	+ 9.5	4.0	SO 1	tr. 4
19	27.507	+8.2	3.8	SSW 0	N. 4	27.418	+ 9.7	4.2	SSO 0	HN. 4
20	27.541	+8.8	3.7	NW 0	FS.F. 4	27.524	+10.4	4.[illegible]	SSO 1	SN. 4
21	27.697	+9.0	3.9	WNW 0	SH. 4	27.794	+11.4	4.5	NW 0	S. 4
22	27.923	+9.4	4.0	N 0	tr. 4	27.907	+12.0	4.4	NW 0	FS.H. 3
23	27.853	+7.2	3.6	NNO 0	N. 4	27.745	+11.4	4.8	SSO 0	N. 3
24	27.695	+7.0	3.6	SO 1	N. 4	27.645	+11.9	3.4	SO 3	0
25	27.740	+6.4	3.3	S 0	0	27.798	+11.4	4.5	SSO 0	FS.N. 1
26	27.894	+7.9	3.9	WNW 0	tr. 4	27.876	+ 9.7	3.8	W 0	SN. 4
27	27.757	+6.4	3.2	SO 0	SN. 4	27.595	+ 8.8	3.5	SO 1	S. 4
28	27.220	+5.8	3.1	SSO 0	SN. 4	27.116	+ 8.5	3.7	N 0	SN. 4
29	27.609	+5.7	2.4	NNW 2	FS.H. 4	27.699	+ 8.2	2.2	NNW 2	FH. 3
30	27.653	+5.6	2.4	SW 0	SN. 4	27.630	+10.0	2.7	NW 8	FS.H. 3
31	27.743	+8.5	3.3	WNW 0	S.FS. 4	27.727	+11.3	4.0	SSW 0	S.FS. 4
M	27.589	+6.03	3.05	0.6	3.3	27.537	+9.51	3.43	1.0	3.2



October 1867.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
‴	°	‴			°	°	‴	
27.843	+ 8.9	3.0	NNW 2	0	+13.4	+ 5.7	......	6h Ab. schw. Rg.
27.601	+ 7.8	3.2	S 1	0	+12.3	+ 4.0	......	
27.295	+ 9.8	3.7	SSW 0	N. 1	+16.5	+ 6.0	2.00	Nachts Rg.
27.363	+ 3.8	2.5	NW 3	tr. 4	+10.3	+ 3.2	4.15	öft. Rg. 3h Abd. Str. WNW Schneeflocken.
27.392	+ 3.9	2.5	NW 2	S.FS. 4	+ 5.7	+ 3.5	0.65	schw. Rg.
27.576	+ 3.7	2.2	NW 3	F. 1	+ 7.9	+ 2.8	......	Mittgs. schw Rg.
27.335	+ 5.4	3.0	SW 1	tr. 4	+ 9.5	+ 4.8	1.14	Nachts Rg.
27.193	+ 5.1	2.8	NW 2	tr. 4	+ 8.4	+ 4.4	2.70	Rg.
27.391	+ 5.1	2.4	NW 1	S. 4	+ 8.2	+ 3.8	......	
27.362	+ 4.0	2.6	NNW 0	FS.N. 4	+ 8.1	+ 3.2	......	4h Ab. Rg. u. Hgl.
27.321	+ 3.8	2.4	NNO 2	tr. 4	+ 7.0	+ 2.5	14.00	Nchts. Rg. u. Schnee
27.534	+ 2.4	2.5	SW 0	S.N. 1	+ 6.4	+ 0.8	3.15	Mgs. Str. NW. Rg. u. Schne.
27.587	+ 5.0	2.7	S 1	FS.F. 2	+ 8.3	+ 1.6	......	Reif. ☾Hof (kl.)
27.797	+ 5.7	3.1	S 0	FS.F. 2	+ 9.2	+ 3.0	......	N. ⊙Hof Abdr. ☾Hof (kl.)
27.802	+ 8.0	3.7	S 1	tr. 4	+10.3	+ 5.0	......	Ab. Höhennebel.
27.753	+ 7.8	3.6	SW 0	S. 3	+ 9.2	+ 6.0	0.25	Mgs. Nrg. Ab. Höhennebel
27.703	+ 8.3	3.9	NW 0	N. 2	+12.0	+ 6.0	......	Höhennebel
27.553	+ 8.6	4.0	SW 0	tr. 4	+10.1	+ 7.0	......	Höhennebel 7h Ab. Nrg.
27.417	+10.8	4.5	WSW 1	tr. 4	+11.3	+ 7.8	0.57	Höhennebel Nchts. schw. Rg.
27.589	+ 9.8	4.3	S 0	S. 3	+10.7	+ 8.4	......	Mgs. schw. Rg.
27.878	+10.3	4.2	NW 1	tr. 4	+12.0	+ 9.0	0.25	öfter schw. Rg.
27.911	+ 8.7	4.0	NO 0	HN. 2	+12.5	+ 6.4	......	Höhennebel
27.702	+ 8.6	5.0	SSO 2	0	+12.0	+ 6.4	0.22	Feuchter Nebel
27.735	+ 7.9	3.4	S 1	0	+12.2	+ 5.9	......	
27.894	+ 7.8	3.7	SSW 0	S.N. 4	+12.0	+ 7.2	......	Höhennebel
27.847	+ 8.1	3.7	WSW 0	tr. 4	+10.0	+ 5.8	......	N.
27.481	+ 6.8	3.2	SSO 2	0	+ 9.1	+ 5.0	.....	Mgs. Nrg. Abdr.
27.393	+ 6.7	2.7	NW 3	tr. 4	+ 8.9	+ 5.2	0.37	Mittgs. schw. Rg. Ab. Str. NW.
27.718	+ 4.6	2.6	WNW 0	HN. 1	+ 8.6	+ 4.0	......	
27.913	+ 5.9	3.4	NW 0	tr. 4	+10.8	+ 5.9	......	Str. WNW. Abdr.
27.725	+ 7.2	3.6	SSW 0	HN. 4	+11.9	+ 5.6	0.15	5h Mgs. schw. Rg. 2h ⊙Hof
27.594	+6.90	3.20	0.9	2.7			29.60	

November 1867.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	"	°	'''			"	°	"		
1	27.733	+6.6	3.3	SW 0	FS.N. 4	27.632	+12.5	3.3	SO 1	F.FS. 2
2	27.503	+8.8	3.1	WNW 1	FS.F. 2	27.441	+12.4	3.3	NW 2	S.FS. 3
3	27.814	+2.7	1.8	NW 1	FS. 1	27.867	+4.8	1.3	N 3	H. 3
4	27.892	+0.2	1.8	WNW 1	F. 1	27.690	+5.2	1.8	NW 2	F.FS. 3
5	27.453	+3.4	2.1	NW 1	S. 4	27.415	+5.2	1.6	NW 3	FS.H. 3
6	27.620	—0.6	1.4	WNW 2	0	27.705	+1.4	1.8	NNW 2	S. 3
7	27.917	—1.7	1.6	WNW 1	F. 1	27.807	+0.8	1.9	NW 4	tr. 4
8	27.893	+2.4	2.1	WNW 2	S.H. 4	27.747	+6.1	2.4	NW 3	S.FS. 4
9	27.478	+6.8	2.2	NW 3	H.GH. 4	27.599	+5.7	1.6	NNW 4	H. 2
10	27.811	+2.1	1.5	NW 2	0	27.795	+4.0	1.8	NNW 3	H. 3
11	27.843	+3.2	1.8	WNW 1	FS. 1	27.705	+7.5	2.0	NW 1	0
12	27.712	+3.8	2.4	WNW 1	S.FS. 3	27.753	+6.5	2.4	NNW 1	HS. 4
13	27.771	+0.8	1.9	OSO 1	S.FS. 3	27.708	+5.0	2.0	SO 3	FS. 2
14	27.718	+2.4	2.0	SO 1	S. 4	27.728	+4.2	2.3	SO 1	FS.H. 4
15	27.732	+2.2	2.4	SO 1	N. 4	27.729	+3.0	2.6	SO 1	N. 4
16	27.469	+3.8	2.8	SO 1	N. 4	27.258	+5.0	3.0	NNW 1	N. 4
17	27.234	+3.1	2.6	W 0	FN. 4	27.248	+6.7	3.4	NNW 0	S.N. 4
18	27.321	+0.2	2.0	N 2	S. 4	27.487	—0.8	1.7	NNW 2	HG. 4
19	27.618	—0.4	1.9	WNW 2	S. 4	27.529	+4.2	2.0	WNW 2	F.FS. 3
20	27.393	+1.3	2.2	NW 2	tr. 4	27.396	+3.3	1.9	WNW 3	FS.H. 2
21	27.377	+0.7	2.0	NW 2	S. 4	27.500	+1.1	1.9	NNW 2	tr. 4
22	27.711	—2.5	1.5	N 2	FS.F. 2	27.604	—0.3	1.8	NW 3	FS.H. 3
23	27.358	+1.0	1.7	NW 3	S.FS. 3	27.448	+0.3	1.6	NNW 3	tr. 4
24	27.813	—2.0	1.7	NNW 3	S. 1	27.937	—1.6	1.8	NW 2	tr. 4
25	27.977	—4.3	1.2	NW 2	S.FS. 3	27.947	—1.4	1.8	NW 2	tr. 4
26	27.901	—1.9	1.7	SW 0	tr. 4	27.840	+0.1	2.0	SSW 0	FS.N. 4
27	27.660	—5.4	1.3	S 0	S.N. 4	27.634	—2.5	1.4	S 1	tr. 4
28	27.75[illegible]	+1.6	1.9	NW 1	tr. 4	27.834	+3.0	2.0	NW 2	S.FS. 3
29	27.780	+1.2	1.7	WNW 3	S.FS. 3	27.745	+1.9	1.7	WNW 4	S.FS. 3
30	27.927	+1.5	1.9	WNW 0	tr. 4	27.931	+2.4	2.2	NW 0	FS.H. 4
M	27.673	+1.37	1.98	1.4	3.0	27.655	+3.53	2.08	2.0	3.3

November 1867.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
″	°	‴			°	°	‴	
27.562	+7.3	3.1	SSO 0	0	+13.1	+5.0	......	Ab. N. am Hor.
27.701	+4.3	2.5	NW 4	tr. 4	+13.9	+2.2	0.90	Ab. Str. NNW., Rg.
27.976	+1.4	1.6	NW 2	0	+5.2	—0.2	......	öfter Schnee.
27.454	+4.8	1.7	WNW 4	S. 4	+5.8	+1.8	0.55*	Reif 2½h ⊙Hof, Str. WNW. Rg.
27.453	+2.7	1.8	NNW 3	tr. 4	+6.0	—1.1	0.25	öft. Rg. Schnee u. Graupen Str. NW.
27.896	+0.4	1.9	NW 2	tr. 4	+1.0	—2.0	......	Schnee.
27.864	+1.6	1.8	WNW 3	S.FS. 4	+2.4	—1.1	0.70*	Str. NW., Schneegestöber.
27.634	+6.2	2.5	NW 4	S. 4	+8.2	+2.5	0.60	Str. NW ☾Hof (kl.) Rg
27.752	+4.0	1.7	NNW 3	H.GH. 4	+6.9	+1.4	0.82	Str. NW. Rg. und Schnee
27.880	+3.2	1.8	NW 2	H.S. 4	+5.4	+1.0	......	Ab. Schnee
27.685	+4.7	2.4	WNW 1	H. 3	+8.2	+2.5	......	
27.829	+2.8	1.9	NO 1	H.S. 3	+7.4	+0.7	......	
27.730	+2.2	2.0	SSO 1	F. 1	+5.8	+0.5	......	öfters ☾Hof
27.772	+2.1	2.3	SO 1	tr. 4	+4.8	+1.4	......	Ab. Nrg.
27.637	+3.4	2.4	SO 1	N. 4	+4.0	+2.0	1.81	Rg.
27.228	+4.0	2.8	NNW 0	FS.N. 4	+5.7	+2.2	0.18	Nrg.
27.309	+3.2	2.5	NNW 0	S. 4	+7.1	—0.2	1.90	Nachts Nrg.
27.596	—1.4	1.7	NW 2	tr. 4	+0.5	—3.0	0.35*	Schnee
27.438	+3.0	2.0	WNW 4	S. 4	+4.7	—0.2	......	Mgs. Schnee Nchts. Str. WNWr
27.380	+2.1	1.8	WNW 4	S. 4	+3.6	+0.1	2.62*	Mgs Schnee 10′ Nbs Str. NNWr
27.621	—0.6	1.8	NNW 3	tr. 4	+2.0	—3.2	......	öfter Schnee
27.327	—0.4	1.8	WNW 4	tr. 4	+2.0	+2.5	0.70*	Str. WNW. Schneegestöber
27.675	—1.7	1.7	NW 3	tr. 4	+2.5	—2.9	0.50*	Schnee und Schneegestöber
28.017	—2.1	1.4	NNW 1	S.FS. 3	—1.0	—5.0	0.23*	Schnee und Schneegestöber
27.966	—0.5	1.6	NW 2	tr. 4	—0.1	—3.5	......	öfter Schnee
27.746	—3.2	1.4	S 0	N̄. 1	+0.2	—6.0	......	
27.676	+0.7	1.9	NW 2	tr. 4	+1.9	—5.4	0.06*	Reif 7½h Sonnensäule Schnee
27.840	+1.4	1.9	WNW 2	tr. 4	+3.5	+0.2	......	Schnee Abdr.
27.833	+1.5	1.7	NW 3	tr. 4	+2.5	+0.3	......	Nrgr. Str. WNW Schnee
27.826	—1.1	1.7	SSO 1	0	+3.0	—3.6	......	N.
27.677	+1.87	1.97	2.1	3.2			+12.16	

December 1867.

Datum	6 Uhr Morgens Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	2 Uhr Nachmittags Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	‴	°	‴			‴	°	‴		
1	27.678	−3.2	1.4	SO 1	N. 2	27.479	+1.0	1.7	S 0	F.FS. 3
2	27.098	−0.0	1.9	S 1	S. 4	26.875	+3.9	2.5	NW 0	S.FS. 3
3	27.171	+1.0	2.0	WNW 1	tr. 4	27.284	+1.9	1.8	NNW 1	FS.S. 3
4	27.609	−0.5	1.6	N 2	tr. 4	27.635	−1.0	1.9	N 2	tr. 4
5	27.458	−1.0	2.0	NNW 1	tr. 4	27.342	−0.4	1.9	NNW 1	tr. 4
6	27.174	−1.9	1.6	NW 2	tr. 4	27.130	−1.2	1.7	WNW 2	tr. 4
7	27.127	−2.4	1.7	NW 2	tr. 4	27.165	−1.7	1.8	NNW 2	tr. 4
8	27.243	−2.4	1.7	NW 2	tr. 4	27.222	−1.7	1.9	NW 2	tr. 4
9	27.444	−3.7	1.4	N 2	S.FS. 2	27.600	−2.0	1.4	N 1	FS. 1
10	27.654	−9.6	0.9	NNW 0	N. 1	27.578	−7.6	1.0	NO 0	S.N. 4
11	27.196	−1.3	1.7	WNW 3	S. 4	27.118	+1.6	1.8	WNW 3	HS. 4
12	26.924	+3.2	2.2	W 2	FS.H. 4	27.156	+4.7	2.0	NW 3	HS. 3
13	27.088	+3.1	2.1	WNW 3	S.FS. 4	27.134	+3.1	1.9	NW 4	HS. 4
14	27.687	−5.5	1.2	NW 1	S. 1	27.631	−2.6	1.5	NW 1	FS. 1
15	27.204	+2.6	2.2	WNW 3	tr. 4	26.888	+4.5	2.3	WNW 4	S. 4
16	27.293	+0.6	1.0	N 3	H.FS. 2	27.378	+1.5	1.6	NW 0	S.FS.
17	27.194	+5.3	2.8	WNW 4	tr. 4	27.271	+8.2	2.9	NW 2	FS.H. 3
18	27.329	+4.4	2.7	W 0	F.FS. 2	27.183	+1.3	2.1	SO 2	H. 3
19	27.226	+0.4	2.0	W 0	S.N. 4	27.159	+1.3	2.2	NW 0	tr. 4
20	27.242	+1.7	2.0	NW 1	tr. 4	27.283	+0.2	1.9	N 2	tr. 4
21	27.435	−3.6	1.6	NNW 3	tr. 4	27.504	+3.4	1.2	NNW 3	tr. 4
22	27.695	−5.3	1.2	N 2	S. 1	27.725	−4.4	1.3	NNW 2	FS.H. 1
23	27.620	−9.4	1.0	N 0	N. 1	27.615	−2.6	1.6	NW 2	tr. 4
24	27.760	−0.8	1.8	NW 2	tr. 4	27.820	−0.9	1.9	NNW 2	F.FS. 2
25	27.970	−2.9	1.6	NNW 1	0	27.934	−1.4	1.5	NNW 1	FS. 1
26	27.830	−3.4	1.5	NW 1	F.N. 1	27.790	−1.7	1.6	N 1	FS.H. 4
27	27.815	−2.2	1.6	NNW 1	F.FS. 2	27.855	−0.5	1.7	NNW 1	tr. 4
28	27.742	−1.8	1.5	NW 0	tr. 4	27.671	+0.5	2.2	NW 1	tr. 4
29	27.440	+0.1	1.8	WNW 2	S. 4	27.286	+1.1	1.8	WNW 2	tr. 4
30	27.308	−0.3	1.7	NW 1	S 4	27.419	−1.7	1.5	NNW 2	tr. 4
31	27.574	−9.3	0.9	NNW 1	S. 4	27.551	−8.5	0.9	N 1	F.FS. 3
M	27.427	−1.55	1.69	1.5	3.1	27.409	−0.08	1.78	1.6	3.3

December 1867.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
″	°	‴			°	°	‴	
27.359	+ 0.4	1.9	N 0	tr. 4	+ 2.2	− 3.2	.....	Reif; 2½ʰ ⊙Hof
27.142	+ 2.8	2.0	WNW 3	tr. 4	+ 4.6	− 0.2	.....	N. Abdr. Str. WNW. Rg.
27.466	+ 0.5	1.6	NNW 1	tr. 4	+ 2.6	− 8.0	0.30*	Schnee 8½ʰ 2 hor. Nebens.
27.587	− 1.5	1.9	NW 1	tr. 4	+ 0.0	− 2.0	3.70*	Schnee N.
27.278	− 1.5	1.8	NNW 2	tr. 4	− 0.4	− 2.2	0.90*	Schnee N.
27.136	− 2.0	1.8	NW 1	tr. 4	− 1.0	− 2.8	0.60*	Schnee Schneewehen N.
27.233	− 2.4	1.7	NW 3	tr. 4	− 1.6	− 2.9	1.00*	Schnee. Schneegest.
27.324	− 2.0	1.7	NNW 2	tr. 4	− 1.4	− 4.7	1.70*	Schnee. Schneegest.
27.727	− 6.2	1.2	NNW 1	FS. 1	− 2.9	−10.6	.....	
27.475	− 4.3	1.2	W 3	S. 4	− 1.3	−10.7	.....	Reif.
27.150	+ 2.4	2.0	NW 3	HS. 4	+ 6.4	− 0.3	0.75*	Str. WNW. Schneegst. Graup
27.283	+ 3.5	2.2	WNW 3	tr. 4	+ 5.6	+ 2.4	2.51	Str. NW. öfter Rg.
27.470	− 3.7	1.2	N 3	S. 4	+ 4.2	− 5.7	0.17*	Str. NW. Ab. Schnee
27.532	− 3.4	1.7	S 1	tr. 4	+ 3.0	− 6.6	1.56*	Mrgr. Ab. Schnee
27.031	+ 3.8	1.7	NNW 4	FS.H. 3	+ 6.0	− 0.5	2.70	Str. WNW. Rg. Nchts Schnee
27.294	− 0.3	2.0	SSW 1	tr. 4	+ 6.4	− 0.6	4.00	Schnee Nachts Rg.
27.344	+ 6.3	2.8	WNW 1	FS. 1	+ 1.6	+ 2.8	.....	Rg. Str. WNW
27.228	+ 0.1	2.1	W 0	N. 4	+ 4.4	0.0	.....	Reif Mrgr. Neb.
27.205	+ 2.1	2.3	N 2	tr. 4	+ 2.3	+ 0.2	3.16	Reif. Schnee u. Rg.
27.362	− 1.9	1.7	N 3	tr. 4	+ 1.7	− 3.9	2.00*	Schneegestöber.
27.613	− 4.2	1.2	NNW 3	HS. 3	− 2.8	− 6.4	.....	Schneegest. Str. N
27.734	− 6.2	1.2	NNW 0	0	− 4.2	− 9.5	.....	
27.666	+ 1.0	1.9	NW 2	tr. 4	+ 1.2	− 8.5	0.36*	Reif. N. Schneegestöber
27.904	− 2.2	1.8	NNW 1	tr. 4	− 0.8	− 3.1	.....	
27.901	− 1.8	1.6	NNW 1	tr. 4	− 1.2	− 3.6	.....	N.
27.836	− 2.4	1.6	N 0	tr. 4	− 1.4	− 3.4	.....	Reif. N. Schneefl.
27.834	− 0.6	1.8	NW 0	tr. 4	− 0.4	− 2.4	.....	N.
27.592	+ 0.4	2.0	NW 2	S.FS. 4	+ 1.2	− 1.7	.....	Mgs. Schnee
27.318	+ 0.2	1.8	NW 3	tr. 4	+ 1.9	− 1.0	0.25*	Schnee
27.542	- 4.5	1.2	NNW 2	tr. 4	− 0.5	− 9.6	.....	öfter Schnee
27.560	−10.1	0.8	N 1	FS.F 3	− 8.3	−10.4	.....	öfter Schnee
27.431	−1.22	1.73	1.7	3.6			25.70	

Uebersicht der meteorologischen Beobachtungen im Jahre 1867.

1867	Barometerstand in Par. Zollen auf 0° Réaumur reducirt.							
	6^h M.	2^h Ab.	10^h Ab.	Mittl.	Höchster		Tiefster	
Jänner	27"389	27"446	27"419	27"418	den 6.	27"880	den 12.	26"921
Februar	27.739	27 710	27.751	27.733	» 19.	28.192	» 6.	27.005
März	27.438	27.407	27.439	27.428	» 2.	28.182	» 20.	26.995
April	27 402	27.380	27.414	27.399	» 13.	27.882	» 9.	26 854
Mai	27.520	27.487	27 505	27.504	» 5.	27.823	» 13.	27.128
Juni	27.580	27 533	27 564	27.559	» 12.	27.835	» 15.	27.160
Juli	27 542	27 509	27.541	27.531	» 4.	27.719	» 19.	27.273
August	27.614	27 568	27.602	27.601	» 14.	27.798	» 2.	27.333
September	27 696	27.666	27.693	27 685	» 26.	27.937	» 24.	27 430
October	27 589	27.557	27.594	27.580	» 22.	27.923	» 8.	27.035
November	27 673	27.655	27 677	27.668	» 24.	28.017	» 16.	27.228
December	27.427	27.409	27.456	27.431	» 25.	27.970	» 2	26.875
Jahr	27.551	27 527	27.555	27 545	19. Febr	28.192	9. April.	26.854

1867	Wärme nach Réaumur.							
	6^h M.	2^h Ab.	10^h Ab.	Mittl.	Grösste		Kleinste	
Jänner	— 1 35	+ 0°96	— 0°49	— 0°39	den 31.	+ 8°9	den 23.	— 7°7
Februar	+ 2 43	+ 5 39	+ 3 48	+ 3 77	» 9	+ 10.2	» 28.	— 3.6
März	+ 0 53	+ 4.61	+ 2 14	+ 2.43	» 21.	+ 11 2	» 13.	— 6 7
April	+ 6 17	+ 10.28	+ 7.64	+ 8 03	» 28.	+ 20.5	» 1.12.	+ 1.1
Mai	+ 9 05	+ 14.62	+ 10.85	+ 11 51	» 12.	+ 25.2	» 25.	+ 2.2
Juni	+ 12 19	+ 17.34	+ 13.05	+ 14 19	» 3	+ 24.2	» 17.	+ 7.2
Juli	+ 13 20	+ 18.59	+ 14.20	+ 15 33	» 24.	+ 27.4	» 8.	+ 7 9
August	+ 13.22	+ 16 57	+ 15.55	+ 15.11	» 21.	+ 26.4	» 2.	+ 9.0
September	+ 19 98	+ 16 18	+ 12 66	+ 13.27	» 1.	+ 25.3	» 27.	+ 2.4
October	+ 6 03	+ 9.51	+ 6 90	+ 7.48	» 3.	+ 16.5	» 12.	+ 0.8
November	+ 1.37	+ 3.53	+ 1 87	+ 2 36	» 2.	+ 13 0	» 26	— 6 0
December	— 1.55	— 0.08	— 1.22	— 0.95	» 17.	+ 8.6	» 10.	—10 7
Jahr	+ 6 02	+ 9 80	+ 7 22	+ 7.68	24. Juli	+ 27.4	21 Decemb.	—10.7

1867	Spannkraft der Dünste in Par. Linien.							
	6^h M.	2^h Ab.	10^h Ab.	Mittl.	Grösste		Kleinste	
Jänner	1.72	1.99	1.76	1.82	den 29	3.2	den 6.	0.9
Februar	2.10	2 34	2.27	2.24	» 18	3.3	» 5. 27. 28.	1.6
März	1.95	2.29	2.12	2.12	» 21.	3.7	» 4.	0.7
April	2.85	3.03	2.95	2 92	» 20.	4.6	» 5.	1.4
Mai	3.56	4.14	3.94	3.88	» 12.	6.1	» 6. 23. 24.	2.3
Juni	4.40	4.65	4.62	4.56	» 2.	6.8	» 29.	2.4
Juli	4.77	5.04	4 85	4.89	» 16.	6.7	» 8. 9.	3.2
August	4.95	5.32	5.31	5.19	» 24.	7.2	» 16.	3.5
September	4.25	4.64	4.57	4.49	» 6.	6.9	» 28.	1.9
October	3.05	3.43	3.29	3.26	» 23.	5.0	» 10. 13. 29.	2.2
November	1.98	2.08	1.97	2.01	» 17.	3.4	» 25.	1.2
December	1.69	1.78	1.72	1.73	» 17.	2.9	» 31.	0.8
Jahr	3.11	3.39	3.28	3.26	» 24. August	7.2	» 4. März	0.7

1867	Windstärke			Bewölkung		
	6^h M.	2^h Ab.	10^h Ab.	6^h M.	2^h Ab.	10^h Ab.
Jänner	0.6	1.1	0.8	3.2	3.5	3 2
Februar	0 9	1.7	1.4	2.6	2 9	2.9
März	0.8	1.3	1.2	3 2	3.0	2.7
April	1.2	2.0	1.4	2.8	3.0	2 8
Mai	0.8	1.1	0 9	2 4	2.5	2 3
Juni	0.9	1.5	1.0	1.8	2 5	2.1
Juli	1.3	1 4	1.1	1 9	2.6	2.0
August	0.6	1.0	0.5	1.7	2 2	1.6
September	0.8	1.0	0.7	0.2	2 4	2 0
October	0.6	1.0	0.9	3.3	3.2	2 7
November	1 4	2.0	2.1	3.0	3 3	3 2
December	1.5	1.6	1.7	3 1	3.3	3.6
Jahr	0.9	1.4	1.1	2 4	2.9	2.6

1867	Ansicht des Himmels						Höhe des Niederschlages in Par. Lin.		
	heiter	theilweise bedeckt	trüb	Nebel	Regen	Schnee	Rg. u. Sch.	grösste Regenmenge in 24^h	
Jänner	0	21	10	23	14	14	41‴30	den 18.	12‴00
Februar	1	25	2	13	16	5	22.82	„ 9.	9.00
März	0	22	9	11	11	11	15 56	„ 20.	3 40
April	0	28	2	2	19	3	36 48	„ 17.	9 40
Mai	4	24	3	1	16	2	42.68	„ 2.	16.32
Juni	0	29	1	0	19	2	26 27	„ 15.	10 70
Juli	1	29	1	0	16	0	26 56	„ 19.	4.70
August	1	30	0	7	10	0	6 00	„ 2.	3.30
September	1	23	2	14	11	0	17 96	„ 24.	6.28
October	5	20	10	21	18	3	29.60	„ 11.	14.00
November	0	23	7	8	8	17	12 16	„ 20.	2 62
December	0	19	12	12	6	20	25 70	„ 16.	4.00
Jahr	13	293	59	112	164	77	303 09	2. Mai.	16.32

1867	Vertheilung der Windesrichtungen															
	N	NNO	NO	ONO	O	OSO	SO	SSO	S	SSW	SW	WSW	W	WNW	NW	NNW
Jänner	4	1	3	1	3	0	7	10	12	6	2	1	2	11	27	3
Februar	5	0	1	0	0	1	6	7	11	0	0	2	4	13	27	7
März	22	3	3	0	1	2	10	8	20	0	1	0	3	6	12	2
April	5	0	1	0	0	0	8	3	5	4	3	1	3	16	34	7
Mai	9	1	2	0	0	0	14	7	12	1	2	1	4	15	13	12
Juni	18	0	2	0	0	1	0	1	4	1	0	3	3	6	37	14
Juli	4	0	1	0	0	5	3	3	11	2	1	1	4	15	39	4
August	18	2	2	2	3	0	7	5	10	0	2	1	2	7	28	4
September	11	0	4	1	3	0	16	3	8	3	3	3	2	4	21	8
October	4	2	2	0	0	0	8	9	13	6	6	3	2	9	23	6
November	3	0	1	0	0	1	9	3	3	1	3	0	1	20	29	16
December	16	0	1	0	0	0	1	1	3	1	0	0	5	13	27	25
Jahr	119	9	23	4	10	10	89	60	112	25	23	16	35	135	317	108

1867	Ansicht des Himmels	
	Gewitter etc.	Stürme
Jänner	Mrgr. d. 30; ⊙Hof d. 27., Nebens. d. 6. (2), 27. (2); ☾Hof d. 2., 20.	
Februar	Mrgr. d. 5., 6., 19.; Abdr. d. 6, 15.; Sonnensäule d. 28.; ☾Hof d. 9., 19 (kl.) Hgl. d. 25., 26.	d. 8. NW.: 22., 23., 25., 26., WNW.
März	Mrgr. d. 12., 26.; Abdr. d. 7., 20.; ⊙Hof d. 1., 14., 27.; ☾Hof d. 17., 20.; (kl.) Rgbg. d. 11., 20.	d. 18.; 24. SO, 27. S.
April	Mrgr. d. 4.; Abdr. d. 22.; ⊙Hof d. 6., 8., 13., 19.; Nebens. d. 11., 13., (2) 26. (2) 27. (2); ☾Hof d. 13., 18., (kl.) 19.; Gew. d. 5., W-SO; Wttl. d. 8, S, 25. W-NW, 26. W-NW, 26. u. 29., SO, Hgl. d. 5., Rgbg. d. 4. u. 8.	d. 5. NNW.; 9., 10., 11., 15., 21. NW. 25., WNW.; 28. S.
Mai	Abdr. d. 7., 11; ⊙Hof d. 26.; Nebens. d. 9., 27., (2); ☾Hof d. 7., 9., 11.; (kl.) Gew. d. 10, NW, NNW-SO, 13 NO-O, 16. SO. Wttl. d. 9., W-N, N. 10 NW, 14. WNW u. NNO; 16. NO; 21 NNW, 31. WNW, Hgl. d. 25.; Rgbg. d. 16., 28.	d. 2. 14., 21. NW; 23. WNW.
Juni	Mrgr. d. 26.; Abdr. d. 8., 12., 24., 26.; ⊙Hof d. 5., 9.; ☾Hof d. 7.; Gew. d. 4.; WSW-O 13. NNW-SO, 24. O, SW, NW, 25. NW, 26, NW, 27. NW, 28. Zenith; Wttl. d. 3. W; 4 in allen Richtungen; 7 W, 13 S-SO, SW; 23. SO, SW; 25. NW, 27. S u. O.	d. 7. WNW; 13. NW.
Juli	Abdr. d. 2., 3., 11., 12., 19.; ⊙Hof d. 8., 30.; Nebens. d. 1., 13., (2); Gew. d. 3 N-O, NW-O, NNW; 17. W, 19. NW, 27. SW; 29. W; Wttl. d. 1., WSW; 2, WNW; 24. N, 25. SO; Rgb. d. 19., 27.	d. 3., 11., 16., 26. WNW. 20. NW, 24. W.
August	⊙Hof d. 3; Nebens. d. 26.; ☾Hof d. 16. (kl.) Gew. d. 11. S, NW, SW (2) 22. SW, 24. SW-NO 26. S, Wttl. d. 1. S; 10 in allen Richtungen, 21. W; 22. S u. NW; 23. SW, WNW; 24. S u. NNO, 25. O u. N, 26 NO-SO, 27. NNO, 28. SW u. O.; Rgbg. d. 7.	d. 16. S.
September	Abdr. d. 8., 16., 19., 21., 28.; ⊙Hof d. 28., 29.; Nebens. d. 22. (2), ☾Hof d. 4., 9.; (kl); Gew. d. 2. N. Wttl. d. 2. O u. SW, 7. S, 10. WNW; 15. in allen Richtungen; Rgbg. d. 16.	d. 15. NW; 29. WNW.
October	Abdr d. 14., 27., 30.; ⊙Hof d 14., 31.; ☾Hof d. 13. u. 14. (kl.); Hgl. d. 10.	d. 4. WNW, 12., 28., NW, 30. WNW.
November	Mrgr. d. 29.; Abdr. d. 28.; ⊙Hof d. 4.; Nebens. d. 20.; Sonnensäule d. 14.; ☾Hof d. 8., 13.	d. 2., 20. NNW, 4., 19., 22., 29., WNW. d. 5., 7., 8., 9. NW.
December	Mrgr. d. 14., 18., 26.; Abdr. d. 2.; ⊙Hof d. 1.; Nebens. d. 3 (2).	d. 2., 11., 15., 17. WNW. 12., 13., NW. 21. N
Jahr	Mrgr. 12; Abdr. 26, ⊙Höfe 20; Nebens. 14, dar. 9 doppelt; Sonnensäulen 3; ☾Höfe 20; Gew. 29; Wttl. 48; Hgl. 5; Rgbg. 10.	52 Stürme.

Stand des Barometers: 98.05 Wiener Klafter = 95.41 Toisen über dem adriatischen Meere, oder 101.7 Wiener Fuss über dem mittleren Spiegel der Donau.

Die Beobachtungen wurden am Gefässbarometer von Heinrich Weilhöfer gemacht. Dasselbe ist in Pariser Zolle und Decimaltheile derselben eingetheilt.

Der Dunstdruck wurde an einem nach Lamont (Annalen für Meteorologie und Erdmagnetismus 1842) getheilten Psychrometer abgelesen und ist in Pariser Linien angegeben.

Das Maximum und Minimum der Temperatur gilt für die Zeit von 8^h Morgens des nebenstehenden bis 8^h Morgens des folgenden Tages.

Ombrometer nach Horner; ein Umschlag ist gleich 0.17885 Par. Lin. Regenhöhe. Schneewasser ist durch einen * kenntlich gemacht.

Für die Stärke des Windes wurde die Bezeichnung von Lamont's Annalen für Meteorologie und Erdmagnetismus Jahrgang 1842 gebraucht.

Abkürzungen: tr. trüb, h. heiter, Rg. Regen, Sch. Schnee, Nrg. Nebelregen, N. Nebel, Frn. Frostnebel. HN. Höhennebel, Hgl. Hagel, Gew. Gewitter, Str. Sturm, Wttl. Wetterleuchten, H. Haufenwolken, GH. geschichtete Haufenwolken, H.GH. Haufen- und geschichtete Haufenwolken, FH. federige Haufenwolken, F. Federwolken, FS. federige Schichtwolken, S. Schichtwolken, D. Dünste, Ab. Abends, Mtt. Mittags, Nchm. Nachmittags, Hor. Horizont ⊙ Hof Sonnenhof ☾Hof Mondhof; Abdr. Abendröthe, Mrgr. Morgenröthe.

Die Ziffern in der Columne „Wetter“ geben den Grad der Bewölkung an; 4 bedeutet, dass der ganze Himmel, 3 dass beiläufig $^3/_4$, 2 dass $^1/_2$ und 1 dass $^1/_4$ des Himmels bedeckt ist.

Tafeln zur Reduction der Zonenbeobachtungen.

Zone 98. 1857. Juli 15. $D = + 16° 40'$ $\Delta t = + 0^s.07$

t	k		k'	d		d'
19ʰ20ᵐ	+ 47ˢ.46	+ 4	− 0ˢ.10	− 6″.4	+ 2″.0	− 13″.1
30	47.50	4	0.10	4.4	2.1	13.0
40	47.54	4	0.10	2.3	2.0	13.0
50	47.58	4	0.10	− 0.3	2.0	13.0
20 0	47.62	5	0.10	+ 1.7	1.8	13.0
10	47.67	+ 6	0.09	3.5	+ 1.8	12.9
20	+ 47.73		− 0.09	+ 5.3		− 12.9

Zone 99. 1857. Juli 21. $D = + 16° 40'$ $\Delta t = + 0^s.06$

t	k		k'	d		d'
18ʰ40ᵐ	+56ˢ.77	+ 1	− 0ˢ.11	+ 9″.3	+ 2″.2	− 13″.3
50	56.78	2	0.11	11.5	2.2	13.3
19 0	56.80	1	0.11	13.7	2.2	13.2
10	56.81	2	0.11	15.9	2.1	13.2
20	56.83	3	0.10	18.0	2.1	13.2
30	56.86	+ 3	0.10	20.1	+ 2.1	13.1
40	+56.89		− 0.10	+ 22.2		− 13.1

Zone 100. 1857. Juli 25. $D = + 16° 30'$ $\Delta t = + 0^s.05$

t	k		k'	d		d'
18ʰ20ᵐ	+ 62ˢ.05	+ 0	− 0ˢ.11	+ 8″.9	+ 2″.3	− 13″.2
30	62.05	0	0.11	11.2	2.2	13.2
40	62.05	0	0.11	13.4	2.3	13.2
50	62.05	1	0.10	15.7	2.2	13.1
19 0	62.06	1	0.10	17.9	2.1	13.1
10	62.07	+ 2	0.10	20.0	+ 2.1	13.1
20	+ 62.09		− 0.10	+ 22.1		− 13.1

Zone 101. 1857. Juli 25. $D = + 16° 30'$ $\Delta t = + 0^s.05$

t	k		k'	d		d'
20ʰ 0ᵐ	+ 62ˢ.19	+ 4	− 0ˢ.09	+ 31″.3	+ 1″.9	− 12″.9
10	62.23	4	0.09	33.2	1.8	12.9
20	62.27	4	0.08	35.0	1.7	12.9
30	62.31	5	0.08	36.7	1.6	12.9
40	62.36	5	0.08	38.3	1.6	12.9
50	62.41	+ 6	0.07	39.9	+ 1.5	12.8
21 0	+ 62.47		− 0.07	+ 41.4		− 12.8

Zone 102. 1857. Juli 26. $D = + 16° 40'$ $\Delta t = + 0^s.04$.

t	k		k'	d		d'
18ʰ 0ᵐ	+ 63ˢ.41	− 2	− 0ˢ.12	+ 4″.4	+ 2″.3	− 13″.2
10	63.39	1	0.11	6.7	2.3	13.2
20	63.38	1	0.11	9.0	2.3	13.2
30	63.37	0	0.11	11.3	2.3	13.2
40	63.37	0	0.11	13.6	2.2	13.2
50	63.37	+ 1	0.11	15.8	+ 2.2	13.1
19 0	+ 63.38		− 0.11	+ 18.0		− 13.1

Zone 103. 1857. Juli 26. $D = +16^\circ\ 40'$ $\Delta t = +0^s.04$

$20^h\ 0^m$	$+ 63^s.34$	+ 2	$- 0^s.09$	$+ 32''.3$	+ 1''.8	$- 13''.0$
10	63.36	4	0.09	34.1	1.8	12.9
20	63.40	5	0.09	35.9	1.7	12.9
30	63.45	+ 5	0.08	37.6	+ 1.7	12.9
40	+ 63.50		− 0.08	+ 39.3		− 12.9

Zone 104. 1857. Juli 27. $D = +16^\circ\ 50'$ $\Delta t = +0^s.05$

$18^h 40^m$	$+ 64^s.67$	+ 0	$- 0^s.11$	$+ 15''.3$	+ 2''.2	$- 13''.3$
50	64.67	1	0.11	17.5	2.2	13.2
19 0	64.68	1	0.11	19.7	2.1	13.2
10	64.69	2	0.10	21.8	2.2	13.2
20	64.71	2	0.10	24.0	2.0	13.2
30	64.73	+ 2	0.10	26.0	+ 2.0	13.1
40	+ 64.75		− 0.10	+ 28.0		− 13.1

Zone 105. 1857. Juli 29. $D = +17^\circ\ 0'$ $\Delta t = +0^s.07$

t	k		k'	d		d'
$18^h 20^m$	$+ 67^s.82$	0	$- 0^s.11$	$+ 16''.4$	+ 2''.3	$- 13''.3$
30	67.82	0	0.11	18.7	2.2	13.3
40	67.82	0	0.11	20.9	2.3	13.3
50	67.82	+ 1	0.11	23.2	2.1	13.2
19 0	67.83	1	0.10	25.3	2.2	13.2
10	67.84	2	0.10	27.5	2.1	13.2
20	67.86	2	0.10	29.6	2.0	13.2
30	67.88	+ 2	0.10	31.6	+ 2.0	13.2
40	+ 67.90		− 0.10	+ 33.6		− 13.1

Zone 106. 1857. Juli 29. $D = +16^\circ\ 20'$ $\Delta t = +0^s.07$

$20^h 20^m$	$+ 68^s.17$	+ 4	$- 0^s.08$	$+ 51''.1$	+ 1''.7	$- 12''.9$
30	68.21	5	0.08	52.8	1.6	12.9
40	68.26	5	0.08	54.4	1.6	12.9
50	68.31	+ 6	0.07	56.0	+ 1.5	12.9
21 0	+ 68.37		− 0.07	+ 57.5		− 12.9

Zone 107. 1857. Aug. 12. $D = +16^\circ\ 20'$ $\Delta t = +0^s.05$

$18^h 40^m$	$+ 78^s.78$	+ 1	$- 0^s.10$	$+ 31''.4$	+ 2''.1	$- 13''.3$
50	78.77	1	0.10	33.5	2.1	13.3
19 0	78.76	0	0.10	35.6	2.1	13.2
10	78.76	0	0.10	37.7	2.0	13.2
20	78.76	0	0.10	39.7	2.0	13.2
30	78.76	+ 1	0. 9	41.7	+ 1.9	13.2
40	+ 78.77		+ 0. 9	+ 43.6		− 13.2

Zone 108. 1857. Aug. 13. $D = +16^\circ\ 40'$ $\Delta t = +0^s.05$

$19^h 20^m$	$+ 79^s.84$	+ 1	$- 0^s.10$	$+ 37''.6$	+ 2''.0	$- 13''.2$
30	79.85	0	0.10	39.6	1.9	13.2
40	79.85	1	0.09	41.5	1.9	13.1
50	79.86	2	0.09	43.4	1.8	13.1
20 0	79.88	1	0.09	45.2	1.8	13.1
10	79.89	+ 3	0.09	47.0	+ 1.7	13.1
20	+ 79.92		− 0.08	+ 48.7		− 13.1

$$AR\ 1860.0 = t + k + \frac{\delta - D}{100} k' \quad (t\ 5.\ \text{Columne der Zonen})$$

$$\text{Decl. } 1860.0 = \delta + d + \frac{\delta - D}{100} d' \quad (\delta\ 7.\ \text{"} \quad \text{"} \quad \text{"})$$

$\delta - D$ in Minuten auszudrücken.

Uebersicht der Zonen 1 bis 108.

Zone	Jahrgang	Zone	Jahrgang	Zone	Jahrgang
1— 8	1857	44—50	1861	71—80	1865
9—25	1858	51—57	1862	81—90	1866
26—34	1859	58—63	1863	91—97	1867
35—43	1860	64—70	1864	98—108	1868

Von AR =	0^h	7^m	bis	1^h	6^m	$\delta = +$	17°	30′	bis	18°	5′	Zone 47
» »	0	31	»	1	35	»	15	1	»	15	31	» 41
» »	0	32	»	1	15	»	15	31	»	16	6	» 45
» »	0	33	»	1	16	»	15	31	»	16	6	» 44
» »	1	0	»	2	8	»	16	31	»	17	0	» 51
» »	1	2	»	2	7	»	17	0	»	17	30	» 49
» »	1	3	»	1	30	»	17	30	»	18	5	» 48
» »	1	5	»	2	6	»	16	5	»	16	30	» 53
» »	1	8	»	2	1	»	15	31	»	16	6	» 43
» »	1	30	»	2	30	»	15	1	»	15	31	» 46
» »	3	5	»	4	7	»	17	0	»	17	30	» 50
» »	3	11	»	4	17	»	16	30	»	17	0	» 52
» »	3	13	»	3	58	»	17	30	»	18	5	» 55
» »	3	49	»	4	46	»	17	30	»	18	5	» 54
» »	4	41	»	5	41	»	17	30	»	18	5	» 56
» »	5	5	»	6	15	»	17	35	»	17	45	» 60
» »	5	14	»	6	34	»	17	30	»	17	40	» 62
» »	5	18	»	6	21	»	17	45	»	17	55	» 58
» »	5	22	»	6	31	»	17	25	»	17	30	» 64
» »	5	23	»	6	23	»	17	50	»	18	5	» 57
» »	5	54	»	7	0	»	17	15	»	17	25	» 66
» »	6	7	»	7	11	»	17	5	»	17	15	» 67
» »	7	19	»	8	23	»	17	35	»	17	45	» 61
» »	7	22	»	8	21	»	16	35	»	17	5	» 69
» »	7	30	»	8	31	»	17	45	»	17	55	» 59
» »	7	35	»	8	46	»	17	25	»	17	35	» 63
» »	7	38	»	8	7	»	17	15	»	17	25	» 65
» »	8	5	»	9	29	»	16	45	»	17	15	» 68
» »	8	43	»	9	48	»	17	10	»	17	49	» 71
» »	9	24	»	9	57	»	16	20	»	16	50	» 70
» »	10	35	»	11	36	»	17	34	»	18	12	» 72
» »	10	39	»	11	39	»	17	8	»	17	49	» 74
» »	12	39	»	13	41	»	17	40	»	18	12	» 73
» »	12	40	»	13	31	»	17	1	»	17	46	» 75
» »	13	25	»	13	59	»	17	34	»	18	7	» 77
» »	13	27	»	14	37	»	18	2	»	18	40	» 76
» »	13	56	»	14	56	»	17	37	»	18	10	» 78
» »	14	28	»	15	29	»	18	5	»	18	40	» 79
» »	14	39	»	15	36	»	18	32	»	19	8	» 80
» »	16	0	»	16	57	»	17	32	»	18	10	» 81
» »	16	3	»	16	40	»	17	47	»	18	11	» 83
» »	16	7	»	16	56	»	18	18	»	18	44	» 86
» »	16	14	»	17	1	»	18	35	»	19	4	» 88
» »	16	19	»	17	19	»	17	14	»	17	38	» 90
» »	16	20	»	17	8	»	18	2	»	18	25	» 94
» »	16	48	»	17	24	»	17	4	»	17	39	» 3
» »	16	48	»	18	35	»	17	34	»	18	1	» 4
» »	16	54	»	18	35	»	16	34	»	17	9	» 1
» »	17	8	»	17	52	»	17	13	»	17	36	» 93
» »	17	24	»	17	59	»	16	4	»	16	39	» 2
» »	17	42	»	18	42	»	18	48	»	19	2	» 82
» »	17	45	»	18	26	»	18	3	»	18	22	» 96
» »	17	46	»	18	31	»	16	50	»	17	11	» 97

Von AR =			bis			δ = +			bis			Zone
Von AR =	17^h	49^m	bis	18^h	52^m	$\delta = +$	17°	3′	bis	17°	21′	Zone 92
» »	17	52	»	18	55	»	17	14	»	17	41	» 95
» »	17	58	»	18	49	»	18	36	»	18	55	» 87
» »	18	6	»	18	41	»	18	29	»	18	44	» 89
» »	18	11	»	19	52	»	16	30	»	16	46	» 102
» »	18	15	»	19	5	»	18	19	»	18	33	» 91
» »	18	28	»	19	31	»	16	51	»	17	9	» 105
» »	18	34	»	19	1	»	18	55	»	19	3	» 85
» »	18	34	»	20	8	»	17	34	»	17	49	» 8
» »	18	36	»	19	25	»	16	20	»	16	36	» 100
» »	18	44	»	19	28	»	16	41	»	16	57	» 104
» »	18	44	»	19	43	»	17	47	»	18	3	» 6
» »	18	46	»	19	16	»	17	4	»	17	19	» 11
» »	18	47	»	19	25	»	16	30	»	16	46	» 99
» »	18	50	»	20	11	»	17	44	»	18	4	» 5
» »	18	51	»	19	46	»	16	12	»	16	27	» 107
» »	18	55	»	19	38	»	18	1	»	18	25	» 94
» »	18	58	»	20	15	»	17	19	»	17	34	» 10
» »	19	11	»	19	38	»	17	4	»	17	19	» 14
» »	19	22	»	20	4	»	16	32	»	16	46	» 108
» »	19	24	»	20	25	»	16	40	»	16	57	» 98
» »	19	26	»	20	46	»	16	49	»	17	4	» 13
» »	19	31	»	20	39	»	17	4	»	17	19	» 12
» »	19	41	»	20	34	»	17	49	»	18	4	» 7
» »	19	53	»	22	12	»	17	34	»	17	49	» 19
» »	20	0	»	20	29	»	16	31	»	16	46	» 102
» »	20	7	»	20	54	»	16	21	»	16	36	» 101
» »	20	10	»	21	45	»	17	19	»	17	34	» 27
» »	20	12	»	22	14	»	15	59	»	16	14	» 18
» »	20	21	»	21	29	»	16	39	»	16	49	» 15
» »	20	24	»	20	52	»	16	13	»	16	26	» 106
» »	20	26	»	21	47	»	16	29	»	16	39	» 16
» »	20	34	»	22	34	»	17	49	»	18	4	» 20
» »	20	39	»	21	45	»	17	4	»	17	19	» 29
» »	20	40	»	21	16	»	16	49	»	17	4	» 25
» »	20	47	»	22	42	»	16	14	»	16	29	» 17
» »	20	50	»	21	42	»	17	34	»	17	49	» 9
» »	21	9	»	22	12	»	16	34	»	17	4	» 23
» »	21	36	»	23	36	»	16	29	»	16	49	» 21
» »	21	37	»	22	39	»	17	4	»	17	34	» 22
» »	21	50	»	22	36	»	15	1	»	15	31	» 38
» »	21	58	»	22	52	»	17	34	»	18	4	» 24
» »	22	3	»	22	46	»	15	31	»	15	51	» 42
» »	22	10	»	22	49	»	16	4	»	16	19	» 32
» »	22	11	»	23	44	»	16	49	»	17	4	» 26
» »	22	29	»	23	42	»	15	1	»	15	31	» 37
» »	22	35	»	23	49	»	17	4	»	17	34	» 28
» »	22	40	»	23	12	»	15	31	»	16	6	» 40
» »	22	42	»	23	45	»	16	4	»	16	34	» 31
» »	22	48	»	0	7	»	17	34	»	18	4	» 30
» »	23	0	»	0	39	»	15	31	»	16	6	» 39
» »	23	36	»	1	6	»	16	33	»	17	3	» 35
» »	23	37	»	0	38	»	15	1	»	15	31	» 36
» »	23	41	»	1	6	»	16	4	»	16	34	» 33
» »	23	48	»	1	6	»	17	4	»	17	34	» 34

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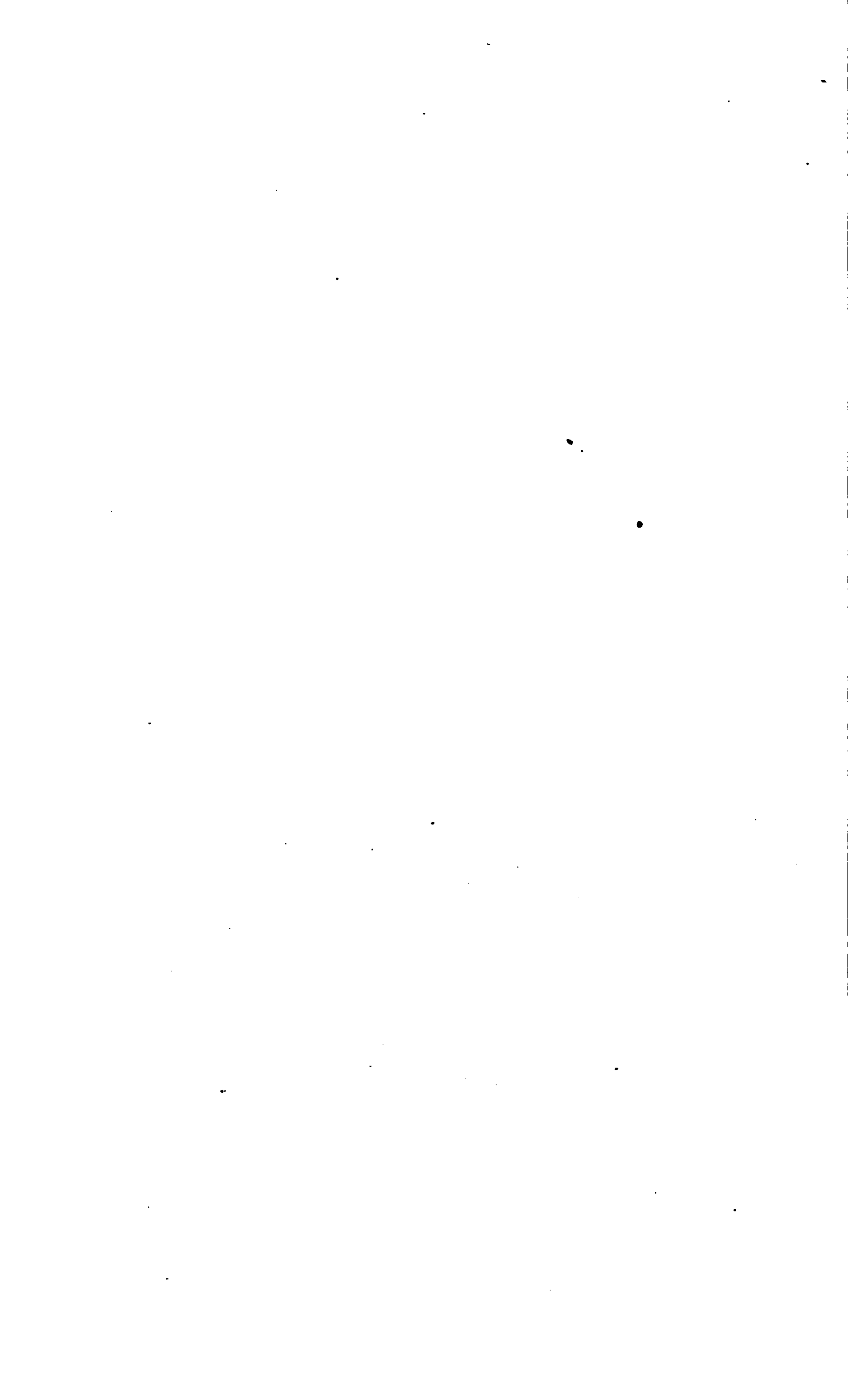
Druckfehler.

Seite 61, Spalte 5, Zeile 1 v. o. lies 20^h statt 19^h.

» 63, » 7 » 7 v. u. » 16° 40′ 44.″0 statt .. 40′ 44.″0.

» 63, » 7 » 6 v. u. » 16° wegzulöschen.

» 64, » 5 » 1 v. o. » 19^h statt 18^h.



ANNALEN

der

k. k. Sternwarte in Wien.

Dritter Folge

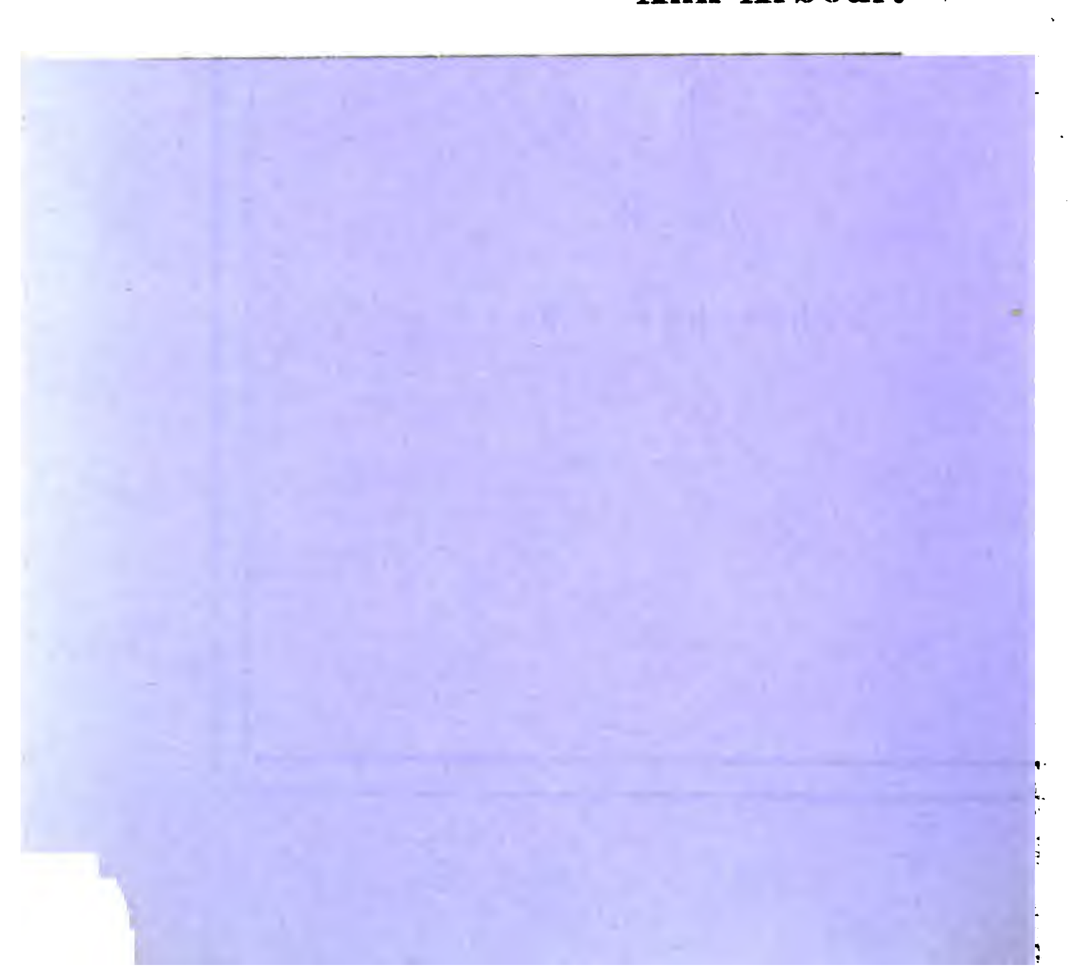
Achtzehnter Band.

Jahrgang 1868.

To the Observatory

of

Ann Arbour.



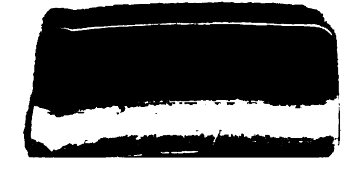


Wien, 1872.
Druck und Papier von Leopold Sommer.









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